IMPERIAL AGRICULTURAL BUREAUX

INSTITUTE OF ENTOMOLOGY

PARASITE SERVICE

# A CATALOGUE

# OF

# THE PARASITES AND PREDATORS OF INSECT PESTS

PREPARED UNDER THE DIRECTION OF

W. R. THOMPSON, F. R. S.

BY THE STAFF OF THE IMPERIAL PARASITE SERVICE

## SECTION I

## PARASITE HOST CATALOGUE

## PART I

## PARASITES OF THE ARACHNIDA AND COLEOPTERA

BELLEVILLE, ONT., CANADA
THE IMPERIAL PARASITE SERVICE
1943

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## SECTION 1

## PARASITE HOST CATALOGUE

## PART 1

## PARASITES OF THE ARACHNIDA AND COLEOPTERA

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1943

Reprinted 1959 with Errata

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# INTRODUCTION

The biological method of controlling insect and plant pests is still, scientifically, in its infancy. In recent years many careful studies have been made. These have shown that the problems of parasite behaviour are more subtle and difficult than we had imagined. But they also indicate practical possibilities much greater than we had expected. In fact, the practical results already obtained, in every part of the world where the method has been tried, show conclusively that it is one of the most important weapons at the disposal of the economic biologist.

The basis of the biological method consists in the fact that parasitic and predaceous organisms of various kinds occupy an important place among the factors restraining the numerical increase of insect and plant pests. In their native homes, such pests are usually attacked by groups of natural enemies, each of which generally confines its attack to a relatively small number of host species. How these groups of specific parasites developed is not known. But it seems clear that the process must have been slow, because when pests are transported into a new area, the parasites and predators inhabiting it often fail to attack them even after many years. Thus, the gipsy moth (Lymantria dispar, L.) has been established in the United States for over 70 years, in a region containing a vast population of parasitic and predaceous insects. It has often been present in enormous numbers and provides abundant and easily accessible food in almost all stages. Nevertheless, none of the native parasites has attacked it to any considerable extent and they are of practically no value as controlling agents. It is because pests are so often transported from one country to another without the natural enemies that have held them in check and are not attacked to any marked extent in their new home, that many of these migrations have such serious results. Unless the other environmental factors are sufficiently adverse to produce a compensating effect, the absence of natural enemies allows a marked rise in the effective reproductive rate, so that there is a very rapid increase and wide-spread devastation.

In cases of this kind, it is obviously desirable to introduce the original natural enemies into the new environment, in the hope that they will eventually re-establish control. Before this work can be carried out it is necessary to know the identity and habits of the parasites and predators attacking the pest in its native home. The names and habits of the natural enemies of many pests are recorded in the literature; but it is usually a very difficult and tedious task to assemble the information. A comprehensive list or catalogue of the predators of injurious insects, with references to the original papers in which they were recorded, is therefore, one of the fundamental necessities in biological control work. From it we can at once discover what natural enemies a given pest has and where they can be found. It may also give us a clue to the identity of parasites attacking the pest in its new home. Occasionally it happens that one or two species of its original parasites are brought in with it; and sometimes these, when discovered, are wrongly taken to be undescribed species and given new names. These errors in identification may cause much confusion in both scientific and practical work.

Parasite catalogues based on the early entomological literature have been compiled from time to time. However, inaccuracies in observation, rearing work and identification seriously limit their value. Howard and Fiske stated in 1912 (U.S.D.A., Bur. Ent. Bull. 91),, that the list of parasites of the

gipsy and brown tail moths, compiled from the literature, contained so many errors, that it was quite useless as a basis for work. Since that time, however, the standard of entomological work has steadily risen and many of the records published in recent years are as accurate as can be expected, considering the intrinsic difficulty of the material. In most cases, the parasites listed have been reared from the host mentioned, or, if a mistake has been made, it is usually one of identification. The entomologist familiar with parasite work can often interpret the records correctly.

On the other hand, converging evidence of several kinds forces us to admit that the problem of parasite-host relations is more complex than was originally supposed. It seems certain that there are strains and races of parasitic insects which belong, morphologically, to the same species, but differ markedly in their choice of hosts, as well as in other physiological characteristics. Owing to the existence of these races, we cannot be sure that parasites identified as belonging to a given species, will successfully attack hosts other than the one from which they were reared, or that a strain from one area will survive and multiply in another area, if climatic conditions are very different. However, these difficulties are not peculiar to parasite catalogues or distributional records. They are due simply to the fact that physiological diversity, sufficiently great and sufficiently stable to be of economic importance, may occur within the limits of what the entomologist calls "species." The records provided by a parasite catalogue based on modern work, constitute an excellent basis for the investigation of such questions.

The Parasite Catalogue of the Imperial Parasite Service was started at Farnham House Laboratory in 1927, by Miss R. Davenport, under instructions from Dr. S. A. Neave. From 1928 onwards it has been continued under the supervision of the present writer. The greater part of the exacting work of compilation has been carried out by Mr. R. C. Jeffery, with the assistance, for varying periods, of Mr. J. C. Robbins and Miss Mariana Thompson.

During the visit to Farnham House Laboratory of the delegates to the Imperial Scientific Congress, held in London, in 1936, it was noted by them that the Laboratory's Card Index Catalogue of parasites, predators, and their hosts, would, if it could be circulated, prove of great assistance to Empire entomologists, and it was, therefore, recommended that such action as was possible should be taken to effect this circulation. At the Laboratory it was realized that, although approximately 100,000 records were held, chiefly taken from the Review of Applied Entomology, there was still a far greater number to be recorded from the literature. It was, therefore, decided that the records held at the Laboratory on December 31, 1937, should be taken as completing the first series of records of the Parasite Catalogue, and that further records appearing in future numbers of the Review of Applied Entomology, and other publications, should be issued in supplements.

In arranging the material for publication, an effort has been made to present the maximum amount of useful information in the minimum space. Valuable advice in connection with this matter was received from Sir Guy A. K. Marshall and Dr. S. A. Neave. For the sake of economy, the Catalogue is being issued in mimeographed form, by the Multilith process. In this work, valuable help and advice has been received from the officers of the Canadian Department of Agriculture, among whom Dr. A. Gibson and Mr. H. G. Crawford deserve special thanks.

The plates for Section I, part I, were typed by Miss M. I. Dykes of the Unit of Field Crop Insect Investigations under the direction of Mr. Crawford and by Miss Mariana Thompson. The plates were run off by Miss Mariana Thompson, assisted by Mrs. F. J. Simmonds.

The objects in view in the preparation of the parasite and predator catalogues were:

1. To show the parasites and predators of any host insect, as recorded in the literature cited below.

2. To show the alternate hosts of the parasites and predators, if any have been recorded.

3. To show the geographical distribution of any insect recorded either as a parasite, predator or host.

The records listed have been taken in the main from the Review of Applied Entomology, Series A and B, Vols. 1-25 inclusive. But, especially in the later volumes of that Review, papers giving lists of parasites and predators have not infrequently been mentioned by title only. In those cases the original publications have been referred to and information taken direct from them; also some lists published during the same period, but not noticed by the Review have been drawn upon. An example of such lists is that of the Hymenopterous parasites of the British Lepidoptera, published by C. Morley and W. Rait-Smith (Trans. R. Ent. Soc. London, 81, (1933), pp. 133-183). Finally, some original rearing records, supplied up to, and including, 1937, by Sir Guy A. K. Marshall, from collections received for determination, have been included.

The Catalogue is divided into four sections which will be issued in the following order:

Section 1: Parasite Host Catalogue:
Part 1. Arachnida and Coleoptera
2. Dermaptera and Diptera
3. Hemiptera
4. Hymenoptera, Isopoda and Isoptera
5. Lepidoptera A - C
6. Lepidoptera D - G
7. Lepidoptera H - M
8. Lepidoptera N - P
9. Lepidoptera Q - Z
10. Orthoptera, Psocoptera and Thysanoptera.

Section II: Parasite Catalogue:
To be issued in parts of convenient size.

Section III: Predator Host Catalogue:
Part 1. Arachnida, Coleoptera, Collembola and Diptera
2. Hemiptera
3. Hymenoptera, Isoptera, Lepidoptera, Mollusca, Myriapoda, Neuroptera, Orthoptera and Thysanoptera.

Section IV: Predator Catalogue:
To be issued in parts of convenient size.

In the Parasite Host and Predator Host Catalogues, the names of parasites and predators are grouped under the names of their host insects, assembled in Orders. These Catalogues give the following information:

1. Name, Family and Order of the hosts.
2. Name, Family and Order of each parasite or predator.
3. Countries of record and bibliographical reference.

In the section dealing with each Order, the names of host insects are listed according to genera in lexicographical order. Parasites are listed under each host in the same manner but not grouped under Orders.

In the Parasite and Predator Catalogues, host insects are grouped under the names of their parasites and predators, assembled in Orders. These Catalogues give the following information:

1. Name, Family and Order of the parasite or predator.
2. Name, Family and Order of each host.
3. Countries of record.

In the section dealing with each Order, the names of parasites or predators are listed according to genera in lexicographical order. Hosts are listed under their parasites in the same manner, but are not grouped under Orders. It will be noted that bibliographical references are not given in the Parasite and Predator Catalogues, but must be looked up under the names of the host insects in the Parasite Host and Predator Host Catalogues.

References to the Review of Applied Entomology are abbreviated to the Series letter, Volume and page number; the names of insects cited may appear either on the page given or on subsequent pages of the abstract commencing on the page given.

Where incomplete lists of parasites or predators, etc., are given in the Review of Applied Entomology, and the original paper has been consulted, the author's name is given before the appropriate reference.

The references to the Review of Applied Entomology are arranged in the following manner:

1. Records are grouped under geographical areas, which have been arranged in the following order: Europe, Asia, America, Australasia, Africa; but these names are not given in the text unless used in the source as geographical indications. Thus, if a species is recorded from "Belgium" and "France" but not from "Europe", only "Belgium" and "France" are given. If "Europe" is given this is because it is specifically mentioned in the source.

2. References to each geographical unit mentioned are grouped after it in brackets, the sets of references for the various areas being separated by a colon, thus:

Austria (A, xi, 24): Belgium (B, ii, 9)

3. When a species is mentioned in several geographical areas, the reference is usually repeated for each of these areas.

4. Within each set of brackets following a geographical name, the references are grouped under the Series letters and Volume numbers, thus:

(A, vi, 25, 41; xiv, 102: B, xx, 21; xxiv, 75, 93)

5. When the original paper has been consulted, the name of the author is inserted before the reference, thus:

(Smith, A, iii, 45; Jones, iv, 102; vii, 85, Brown, 98)

In such cases, if the Series letter has already been given, it is omitted and if the Volume number has been given, this is omitted.

In order to facilitate the use of the Catalogue, the parts of Sections I and III have been provided with indexes, which list the parasites or predators under genera, with generic and specific names in lexicographical order.

The classification of the insects listed, follows that given in the Zoological Record - Part Insecta.

The problem of nomenclature, in the parasite Catalogue, has proved very difficult. The records have been taken from publications extending over a long period during which many changes in names have been made. Even in publications appearing at the same time, the same species may appear under different names owing to divergencies between the various schools of systematists. In many groups, and particularly in the parasitic forms, a thorough and accurate revision of the nomenclature is impossible because adequate revisions of the species, over the whole range of distribution, have never been made. The value of nomenclatorial revision is, at best, merely transitory, because changes in names are continually being made by systematic workers.

For these and other reasons, the most satisfactory method in bibliographical compilations of this type is to record the names as they appear in the original references.

The Editors of the Review of Applied Entomology, on which this Catalogue is largely based have, however, always attempted to collate information about a single insect under a single name, citing (in brackets) names used by authors where they differ and since the names used in the Review were adopted in the earlier stages of the work on the Catalogue, the nomenclature of the Review has usually been followed.

As many changes in names have been made since the earlier volumes of the Review were published and no index of synonyms is available and as many names in the Catalogue have been taken from sources other than the Review, a considerable amount of revision has been necessary, in order to link up citations of the same species under different names and eliminate accidental errors of various kinds. The bulk of this difficult and tedious work has been carried out by the officers of the Division of Insect Identification of the United States Bureau of Entomology, under the direction of Mr. C. F. W. Muesebeck, with the kind permission of Dr. P. N. Annand, Chief of the Bureau of Entomology. The officers of the Systematic Unit of the Division of Entomology in Ottawa, have also cooperated in this work under the direction of Dr. J. G. McDunnough with the permission of Dr. Arthur Gibson and Mr. L. S. McLaine. The revision of the names

of the hosts and parasites in the first part of the Catalogue (Arachnida and Coleoptera) has been carried out mainly by Mr. H. S. Barber, Mr. L. S. Buchanan, Mr. A. B. Gahan, Mr. R. A. Cushman, Mr. C. F. W. Muesebeck, Mr. H. L. Townes and Mr. D. G. Hall of the U. S. Bureau of Entomology, Mr. W. J. Brown, Mr. G. S. Walley and Dr. O. Peck of the Canadian Division of Entomology. Sir Guy A. K. Marshall has also examined the names of the Coleoptera. The generous help provided by these entomologists is deeply appreciated. Final responsibility for the names selected rests, however, with the Editor.

The names adopted in the Catalogue are believed to be those current, or recently current among entomologists in some part of the world at the time of publication. Their use must not, however, be taken to imply on the part of the compilers or the Editor, the view that they are valid under the International Code of Nomenclature; or any judgment on controversial questions.

On the other hand, all the synonyms known to exist in the Catalogue and its sources have been connected in each part. Owing to the origin and arrangement of the material, the method of indicating synonymy is necessarily somewhat complex, but may be summarised as follows:

1. Names of host insects treated as synonyms are given in the text with a cross reference to the name adopted, e.g.:

Laria pisi, L. - See Bruchus pisorum, L.

In such cases all parasite records are entered under the name adopted: in this case, Bruchus pisorum, L.

2. The cross-references from the names adopted to the names treated as synonyms but used in the sources (Review of Applied Entomology or original papers), are given in a list entitled: Host Synonymy not shown in the Text, e.g.:

Bruchus pisorum, L. = (Laria pisi, L. )

3. Names of host insects regarded as synonyms but all entered with lists of parasites, in the text of the Catalogue, are connected by the words "See also" in the list of Host synonyms, e.g.:

Ceratomegilla fuscilabris, Muls. - See also Megilla maculata, DeG.
Megilla maculata, DeG. - See also Ceratomegilla fuscilabris, Muls.

All names known to have been used to designate the species listed, in the Catalogue or the sources, are entered in the marginal column of the list of Host Synonyms, with the appropriate cross-references.

4. The indication of parasite synonymy in the text of the Parasite Host and Predator Host Catalogues, is impracticable. It has, therefore, been inserted in the Index of Parasites and Predators prepared for each part.

5. Names of parasites and predators treated as synonyms but used in the sources (Review of Applied Entomology or original papers) are connected with the names adopted in the Index of Parasites or Predators, e.g.:

Habrocytus tenuicornis, Först. = (Pteromalus tenuicornis, Först.), 15, 16, 103.

(Pteromalus tenuicornis, Först.) = Habrocytus tenuicornis, Först.

the page references being entered under the name adopted, and the name treated as a synonym being entered in brackets.

All names known to have been used to designate the species listed, in the Catalogue or the sources, are entered in the marginal column of the Index of Parasites or Predators, with the appropriate cross-references.

6. Names of parasites and predators regarded as synonyms but occurring in the text of the Catalogue, under the same or different hosts, are connected by the words, "see also" in the Index of Parasites or Predators, e.g.:

Catolaccus incertus, Ashm., 14, 20, 25 - see also Zatropis incertus, Ashm.
Zatropis incertus, Ashm., 14, 22, 40, 101, 114 - see also Catolaccus incertus, Ashm.

the page references being, in each case, to the species mentioned in the marginal column.

7. The method of indicating the synonymy of parasites and predators in the Parasite and Predator Catalogues follows that adopted for the host insects in the Parasite Host and Predator Host Catalogues.

The list of Host Synonyms and the Indexes of Parasites or Predators should always be consulted in connection with the references mentioned in the Catalogue.

This Catalogue is merely a guide to the recorded relationships of parasites and predators, compiled from the literature. Entomologists should not accept the records without consulting the original papers because their factual value is variable and uncertain. Indeed, some of the records included are, in the opinion of the experts consulted and of the Editor, definitely wrong. However, the exclusion of such references would not be justified, since the object of a bibliography is simply to put the user in contact with the sources.

All those connected with the preparation of the Catalogue realise that it still contains errors. It is hoped that those using it will list and send to the Editor all mistakes discovered, so that corrections may be sent out as the successive parts are issued.

W. R. Thompson,
Belleville, October, 1942.

# ERRATA

Page 2, line 7 - for "Hymenopimecis" read "Hymenoepimecis"

" 2, " 9 - for "Westw" read "Nal."

" 2, " 26 - delete "."

" 2, " 28 - delete "var."

" 3, " 37 - for "Theridium" read "Theridion"

" 4, " 1 - delete "."

" 5, " 23 - delete "." after "Wulp"

" 5, " 30 - delete "var." and underline "sexpustulata"

" 6, " 14 - after "248;" insert "Jepson, A,"

" 7, " 23 - for "Szepl." read "Szep."

" 8, " 22 - for "Crwf" read "Cwfd."

" 9, " 14 - for "Gir." read "Burks"

" 11, " 1 - for "Geoff" read "L."

" 11, " 12 - for "L." read "Nees"

" 16, " 46 - for "Lestodiplosis" read "Leptodiplosis"

" 17, " 34 - for "Wsm." read "Marsh."

" 17, " 43 - for "Ratz." read "Retz." and before "Bull.Soc." insert "Falcoz,"

" 21, " 25 - after "(Trichogrammid)" insert "Solomon Is."

" 21, " 26 - delete "var."

" 22, " 33 - for "Pdi." read "Bdi."

" 22, " 35 - for "Sch." read "L."

" 22, " 42 - after "601;" insert "Chorbadzhiev"

" 23, " 42 - for "Hussain" read "Husain"

" 24, " 7 - for "confluens" read "confluenta"

" 24, " 38 - for "Wtrst." read "Wtstn."

Page 25, line 36 - delete "(variabile, L.)"

" 25, delete lines 37 and 38

" 25, line 50 - for "Gr." read "Grav."

" 26, " 3 - for "L." read "F."

" 26, under line 19 add Eubiomyia calosomae Coq. (Dipt. Tachinid)
N. America (A;vi,16).

" 27, delete line 35

" 27, line 38 - after "732" insert ": Russia (Meier, A, xviii, 131)"

" 28, " 12 - for "Jonsc." read "Fonsc."

" 28, " 34 - for "Cercocephala" read "Cerocephala"

" 29, " 24 - after "Marsh." insert "(Curculionid)"

" 29, " 29 - delete "Marsh." insert "Hlgr."

" 29, " 43 - for "Cheiropachys" read "Cheiropachus"

" 30, " 11 - for "Chalcid" read "Eulophid"

" 31 " 14 - for "Cr." read "Cress."

" 31, " 31 - for "Thom." read "Thoms."

" 32, " 39 - after "Muls" insert "."

" 33, " 28 - delete "perilitus"

" 34, " 14 - after "scutellaris" insert ", Lec."

" 34, " 41 - for "Mg." read "Fall."

" 35, under line 7 insert "Conorrhynchus - See Cleonus"

" 36, line 1 - for "Myiophasia" read "Euloewia"

" 37, lines 24 & 26 - for "Cryptorrhynchus" read "Cryptorhynchus"

" 37, delete line 37

" 38, line 40 - after "lunata" add ", F."

" 39, " 6 - for "Gr. (Cerambicid)" read "Gah. (Cerambycid)"

" 39, " 31 - for "L." read "Tasch."

" 40, " 18 - delete "var."

" 40, " 33 - delete "." after "Wulp"

Page 41, line 20 - for "Evaniid" read "Stephanid"

" 41, " 21 - for "Cerambycid" read "Lamiid"

" 41, " 34 - for "Wlk." read "Walk."

" 42, " 42 - for "Hal." read "Walk."

" 47, " 6 - for "Wlk." read "Walk."

" 48, " 39 - for "Mg." read "Fall."

" 49, " 1 - insert "." after "Brancs"

" 49, " 21 - for "Cleonymid" read "Eulophid"

" 50, " 14 - for "triangularis" read "triangulifera"

" 52, delete lines 29-32

" 53, lines 21, 29 & 34 - for "Cheiropachys" read "Cheiropachus"

" 54, line 4 - for "L." read "Nees"

" 54, " 12 - for "Bris." read "Ratz."

" 57, " 4 - for "Hal." read "Walk."

" 57, " 43 - for "Hlgr." read "Nees"

" 57, delete lines 45 & 46

" 58, line 2 - after "127)." add "Russia (Greze, A,xvii, 192).

" 59, " 12 - for "Octonus" read "Ooctonus"

" 59, " 33 - for "hartigi" read "hartigii"

" 60, " 47 - for "Cheiropachys" read "Cheiropachus"

" 61, " 33 - for "325" read "323"

" 62, " 12 - for "lindeni" read "lindenii"

" 62, " 18 - for "pfeifferi" read "pfeifferae"

" 63, " 11 - for "bifoveolatum" read "bifoveolatus"

" 63, lines 15 & 28 - delete "." after "Wulp"

" 64, line 24 - for "phyllophagas" read "phyllophagae"

" 64, " 25 - between "14)" and "Jepson" insert ": ?"

" 64, " 33 - for "aurifascies" read "aurifacies"

Page 65, line 6 - for "Sm." read "F."

" 66, " 25 - for "pfeifferi" read "Pfeifferae"

" 66, " 30 - for "245" read "243"

" 66, lines 39 and 41 - delete "var."

" 68, line 9 - before "(A," insert "U.S.A."

" 70, line 17 and 40 - delete ", F. var."

" 74, " 5 - for "albitarsis" read "albitarsus"

" 74, " 5 - for "Gr." read "Grav."

" 76, " 3 - for "memmonia" read "memnonia"

" 78, " 5 - for "Baran." read "Bar."

" 78, " 29 - after "Horn" delete "."

" 78, " 39 - for "Whit." read "Waterh."

" 80, lines 5, 7, 27 and 29 - for "Cheiropachys" read "Cheiropachus"

" 80, line 44 - for "palpetrator" read "palpebrator"

" 86, line 40 - for "Cheiropachys" read "Cheiropachus"

" 87, " 11 - " " " "

" 87, lines 27, 29, 31, 34, and 38-for "Japan" or "Korea" read "Japan & Korea"

" 88, lines 1, 5 and 7 - for "Japan" read "Japan and Korea"

" 88, line 29 - add new parasite records:-
"Doryctes obliteratus, Nees (Hym. Braconid) - Russia (Meier, A, xvi, 200).
Xorides nitens, Grav. (Hym. Ichneumonid) - France (Seyrig, A, xii, 253)."

" 89, line 14 - for Ichneumonid" read "Braconid"

" 91, " 24 - for "Platypid" read "Platypodid"

" 91, " 37 - for "Burm." read "Ol."

" 93, " 12 - for "Japan" read "Japan and Korea"

" 93, " 44 - delete "and Chosen"

" 95, " 35 - for "mori" read "morio"

" 96, " 4 - for "macropunctata" read"macropunctatus"

Page 96, line 22 - for "Phillipines" read "Philippines"

" 99, " 4 - for "496" read "596"

" 99, lines 11 and 30 - for "Ichneumonid" read "Braconid"

" 99, delete line 33

" 100, line 7 - amend to read "Rhizotrogus solstitialis, L. - See Amphimallon"

" 100, " 25 - for "W." read "Wesm."

" 101, " 17 - for "pospeilovi" read "pospielovi"

" 101, following line 18 - insert new host "Rhynchites auratus Scop. (Curculionid)" Trichogramma evanescens Westw. (Hym. Trichogrammid) Germany, Turkestan. is a parasite of this.

" 101, lines 22 and 25 - for "Gross" read "Grese"

" 103, line 14 - for "L." read "Tasch."

" 103, " 38 - for "Ichneumonid" read "Braconid"

" 104, " 12 - for "Schistocaros" read "Schistoceros"

" 104, " 29 - for "hartigi" read "hartigii"

" 105, " 29 - amend to read "Scolytus destructor, Ol. - See S. scolytus, F."

" 105, lines 10, 31, and 43 - for "Cheiropachys" read "Cheiropachus"

" 106, line 6 - delete ", Nees var."

" 106, " 23 - for "ladenbergi" read "ladenbergii"

" 106, lines 9, 43 and 47 - for "Cheiropachys" read "Cheiropachus"

" 107, line 29 - for "L." read "F."

" 107, " 30 - for "Cheiropachys" read "Cheiropachus"

" 108, " 35 - delete "and Chosen"

" 110, " 11 - for "374" read "473"

" 110, " 16 - for "Gyll." read "Schoen."

" 111, " 5 - after "Hart." add "(Curculionid)"

" 111, " 7 - after "obscura" add ", Boisd."

Page 112, line 4 - underline "Glyptomorpha"

" 112, " 9 - for "Prototrupid" read "Serphid"

" 112, " 44 - for "344" read "364"

" 114, " 15 - for "pierci" read "piercei"

" 114, " 21 - for "344" read "345"

" 114, " 33 - for "Taphrorychus" read "Taphrorynchus"

" 117, " 6 - before "Wtstn." add "Turn. &"

" 117, " 13 - for "Tropinata" read "Tropinota"

" 118, " 13 - for "Cheiropachys" read "Cheiropachus"

" 119, " 4 - delete ", K. var."

" 120, " 15 - for "piri" read "pyri"

" 123, " 21 - for "Hal." read "Walk."

" 127, " 18 - for "Hal." read "Walk."

" 128, lines 12 and 23 - for "Cheiropachys" read "Cheiropachus"

" 130, line 13 - after "Ruthe," insert " = (Perilitus falciger Ruthe)"

" 130, " 15 - after "Nees," insert " = (Perilitus rutilus Nees)"

" 134, " 43 - for "pierci" read "piercei"

" 139, " 37 - for "Myiobia" read "Myobia"

" 140, " 31 - for "bifoveolatum" read "bifoveolatus"

" 140, " 32 - for "defilipii" read "defilippii"

" 141, " 28 - for "rutilis" read "rutilus"

" 141, " 52 - for "=" read "see also"

" 143, " 10 - for "defilipii" read "defilippii"

" 143, lines 45 and 52 - for "Cheiropachys" read "Cheiropachus"

" 149, line 7 - for "Marsh." read "Hlgr."

" 150, " 42 - for "albitarsis" read "albitarsus"

" 151, " 23 - for "=" read "see also"

# A R A C H N I D A

(N.B. Where the original paper has been consulted, the author's name is given in the list of references).

- - - - - - - - - - -

Aranea frondosa, Walck.
Eupteromalus cognatus, Gahan (Hym. Pteromalid) - U.S.A. (Gahan, A, xii, 443).

ARACHNID sp.
Gelis fasciatus, F. (Hym. Ichneumonid) - France (Falcoz, Bull. Soc. ent. France, 1926, 130).

Agroeca proxima, Cambr.
Parabatus virgatus, Fourc. (Hym. Ichneumonid) - England (Haines, Trans. Ent. Soc. S. England, vii, 33).

Dermacentor nitens, Neum.
Hunterellus hookeri, How. (Hym. Encyrtid) - Porto Rico (B, xxii, 145).

Dermacentor parumapertus marginatus, Banks
Hunterellus hookeri, How. (Hym. Encyrtid) - U.S.A. (B, xvii, 123).

Dermacentor variabilis, Say
Hunterellus hookeri, How. (Hym. Encyrtid) - U.S.A. (B, xv, 216; xvi, 133; xvii, 123; xxii, 144).

Dermacentor venustus, Banks
Hunterellus hookeri, How. (Hym. Encyrtid) - France (B, xv, 216): U.S.A. (B, xvii, 122, 123, 124; xix, 138).

Dictyna volupis, Keyserling
Polysphincta dictynae, How. (Hym. Ichneumonid) - U.S.A. (Cushman, A, viii, 509).

Dolomedes fimbriata, Cl.
Gelis instabilis, Först. (Hym. Ichneumonid) - Europe (Fahringer, A, x, 497).

Epeira sp.
Pimpla ovivora, Boh (Hym. Ichneumonid) - Serbia (Voukasovitch, A, xvii, 210).

Epeira scolpetaria, Clerck
Polysphincta koebelei, How. (Hym. Ichneumonid) - U.S.A. (Cushman, A, viii, 509).

Epeira strix, Hentz
Polysphincta koebelei, How. (Hym. Ichneumonid) - U.S.A. (Cushman, A, viii, 509).
Polysphincta strigis, How. (Hym. Ichneumonid) - U.S.A. (Cushman, A, viii, 509).

Epeira trivittata, Keyserling
Hymenopimecis wiltii, Cress. (Hym. Ichneumonid) - U.S.A. (Cushman, A, viii, 509).

Eriophyes ribis, Westw.
Tetrastichus eriophyes, Taylor (Hym. Eulophid) - Britain (A, xvi, 231): Germany (A, ii, 296).

Haemaphysalis concinna, Koch.
Hunterellus hookeri, How. (Hym. Encyrtid) - ? England (B, iv, 34): U.S.A. (B, xvii, 123).

Haemaphysalis inermis, Bir.
Hunterellus hookeri, How. (Hym. Encyrtid) - ? England (B, iv, 34).

Haemaphysalis leachi, Aud.
Hunterellus hookeri, How. (Hym. Encyrtid) - S. Africa (B, xxii, 145).

Haemaphysalis leporis-palustris, Pack.
Ixodiphagus texanus, How. (Hym. Encyrtid) - U.S.A. (B, xvii, 123; xxii, 144, 145): ? (B, iv, 34).

Hyalomma sp.
Hunterellus hookeri, How. (Hym. Encyrtid) - S. Africa (B, xxii, 262).

Hyalomma aegyptium, L.
Hunterellus hookeri, How. (Hym. Encyrtid) - S. Africa (B, xxii, 262).

Hyalomma aegyptium impressum, Koch.
Hunterellus hookeri, How. (Hym. Encyrtid) - S. Africa (B, xxii, 145).

Ixodes hexagonus var. cookei, Pack.
Hunterellus hookeri, How. (Hym. Encyrtid) - U.S.A. (B, xxii, 144).
Ixodiphagus texanus, How. (Hym. Encyrtid) - U.S.A. (B, xxii, 71, 144).

Ixodes ricinus, L.
Hunterellus hookeri, How. (Hym. Encyrtid) - France (B, xix, 39): U.S.A. (B, xvii, 123).

IXODID sp.
Hunterellus hookeri, How. (Hym. Encyrtid) - U.S.A. (B, xxii, 71): ? (B, xix, 92).
Ixodiphagus texanus, How. (Hym. Encyrtid) - ? (B, xix, 92).

Latrodectus mactans, F.
Baeus latrodecti, Doz. (Hym. Scelionid) - Haiti (B, xix, 112; xxiii, 212).
Gelis sp. (Hym. Ichneumonid) - U.S.A. (B, xxiii, 212).

Linyphia obscura, Keyserling
Acrodactyla madida, Hal. (Hym. Ichneumonid) - U.S.A. (Cushman, A, viii, 509).

Lycosa radiata, Lab.
Gelis instabilis, Först. (Hym. Ichneumonid) - Europe (Fahringer, A, x, 497).

Meta reticulata, L.
Polysphincta takewakii, Uch. (Hym. Ichneumonid) - Japan (Uchida, A, xvii, 191).

Misumena calycina, L.
Goniocryptus plebejus, Tschek (Hym. Ichneumonid) - Europe (Fahringer, A, x, 497).

Philodromus canadensis, Em.
Tetrastichus philodromi, Gahan (Hym. Eulophid) - U.S.A. (Gahan, A, xii, 443).

Rhipicephalus sp.
Hunterellus hookeri, How. (Hym. Encyrtid) - S. Africa (B, xxii, 262).

Rhipicephalus appendiculatus, Neum.
Hunterellus hookeri, How. (Hym. Encyrtid) - S. Africa (B, xxii, 262).

Rhipicephalus evertsi, Neum.
Hunterellus hookeri, How. (Hym. Encyrtid) U.S.A. (B, xvii, 123): S. Africa (B, xxii, 262).

Rhipicephalus oculatus, Neum.
Hunterellus hookeri, How. (Hym. Encyrtid) S. Africa (B, xxii, 262).

Rhipicephalus sanguineus, Latr.
Hunterellus hookeri, How. (Hym. Encyrtid) - France (B, xix, 39): U.S.A. (B, xvii, 123; xxii, 144): Argentina (B, iv, 39): Nigeria (B, xix, 172).

Rhipicephalus texanus, Banks
Hunterellus hookeri, How. (Hym. Encyrtid) - U.S.A. (B, xvii, 123).

Steatoda borealis, Htz.
Polysphincta texana, Cress (Hym. Ichneumonid) - U.S A. (Cushman, A, viii, 509).

Tetragnatha sp.
Colpomeria kincaidii, Ashm. (Hym. Ichneumonid) - U.S.A. (Cushman, A, viii, 509).

Theridium sp.
Polysphincta theridii, How. (Hym. Ichneumonid) - U.S.A. (Cushman, A, viii, 509).

Theridion tepidariorum, Koch.

Polysphinctopsis japonicus, Uch. (Hym. Ichneumonid) - Japan (Uchida, A, xvii, 191; xviii, 456).

# COLEOPTERA

(N.B. Where the original paper has been consulted, the author's name is given in the list of references.)

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Acanthocinus aedilis, L. (Lamiid)
Doryctes imperator, Hal. (Hym. Braconid) - Russia (Meier, A, xviii, 131).
Ephialtes tuberculatus, Fourc. (Hym. Ichneumonid) - Finland (A, xix, 641).

Acanthoscelides - See Bruchus

Acicnemis sp. (Curculionid)
Ipobracon dentiscapa, R.A. (Hym. Braconid) - India (Ramakrishna Ayyar, A, xvi, 478; Ramakrishna Ayyar & Margabandu, A, xxiii, 209).

Acicnemis filicornis, Hb. (Curculionid)
Pycnetron curculionidis, Gahan (Hym. Cleonymid) - Philippines (Gahan, A, xiii, 432).

Acilius sp. (Dytiscid)
Prestwichia aquatica, Lubb. (Hym. Trichogrammid) - Russia (Meier, A, xviii, 131).

Acmaeodera sp. (Buprestid)
Eusandalum acmaeoderae, Rohw. (Hym. Eupelmid) U.S.A. (Rohwer, A, v, 404).

Acmaeodera adspersula, Ill. (Buprestid)
Polymoria iberica, Bol. (Hym. Eupelmid) - Spain (Bolivar, A, xv, 166).
Polymoria seyrigi, Bol. (Hym. Eupelmid) - Spain (Bolivar, A, xv, 166).

Acrotomopus atropunctellus, Boh. (Curculionid)
Paratheresia claripalpis, Wulp. (Dipt. Tachinid) - Argentina (A, xx, 13).

Adalia bipunctata, L. (Coccinellid)
Dinocampus coccinellae, Schr. (Hym. Braconid) - U.S.A. (A, xv, 137).
Dinocampus terminatus, Nees (Hym. Braconid) - U.S.A. (A, ii, 131).
Phalacrotophora fasciata, Fall. (Dipt. Phorid) - Britain (Richards, A, xiv, 218; xx, 454): Italy (Menozzi, A, xv, 507).
Tetrastichus epilachnae, Giard (Hym. Eulophid) - France (A, xii, 145).

Adalia bipunctata var. sexpustulata, L. (Coccinellid)
Phalacrotophora fasciata, Fall. (Dipt. Phorid) - Italy (A, xv, 507).

Adalia flavomaculata, De G. (Coccinellid)
Dinocampus sp. (Hym. Braconid) - U.S.A. (A, ii, 153).
Homalotylus sp. (Hym. Encyrtid) - U.S.A. (A, ii, 153).

Adonia variegata, Gz. (Coccinellid)
Aphiochaeta fasciata, Fall. (Dipt. Phorid) - Italy (A, ii, 150).
Dinocampus terminatus, Nees (Hym. Braconid) - Russia (A, i, 456).
Homalotylus flaminius, Dalm. (Hym. Encyrtid) - Fr. W. Africa (A, xiii, 390).
Pachyneuron sp. (Hym. Pteromalid) - Fr. W. Africa (A, xiii, 390).
Phalacrotophora fasciata, Fall. (Dipt. Phorid) - Italy (Menozzi, A, xv, 507).
Tetrastichus sp. (Hym. Eulophid) - Fr. W. Africa (A, xiii, 390).

Adoretus sp. (Rutelid)
Campsomeris marginella billitonensis, Tull. (Hym. Scoliid)-Java (Jepson, A, xxiv, 785).
Campsomeris marginella modesta, Sm. (Hym. Scoliid) - Philippines (Betrem, A, xvii, 248; xxiv, 785).

Adoretus compressus, Web. (Rutelid)
Campylocera robusta, Wulp (Dipt. Ortalid) - Dutch E. Indies (van der Goot, A, iv, 89).
Prosena siberita, F. (Dipt. Tachinid) - Dutch E. Indies (van der Goot, A, iv, 89): W. Java (A, xxiv, 666).
Tiphia sp. (Hym. Scoliid) - Dutch E. Indies (van der Goot, A, iv, 89; Jepson, A, xxiv, 785).

Adoretus sinicus, Burm. (Rutelid)
Campsomeris marginella modesta, Sm. (Hym. Scoliid) - Hawaii (A, xii, 199; Betrem, A, xvii, 248; Jepson, A, xxiv, 785).
Elis sp. (Hym. Scoliid) - Hawaii (A, xxiii, 341).
Ochromeigenia ormioides, Towns. (Dipt. Tachinid) - Formosa to Hawaii (A, xv, 97; xvii, 194).
Scolia sp. (Hym. Scoliid) - Hawaii (A, xiii, 287).
Tiphia sp. (Hym. Scoliid) - Formosa to Hawaii (A, xv, 97; xvii, 194; Jepson, xxiv, 785).
Tiphia lucida, Ashm. (Hym. Scoliid) - Hawaii (A, xxi, 493; xxii, 137).

Adoretus tenuimaculatus, Waterh. (Rutelid)
Campsomeris marginella modesta, Sm. (Hym. Scoliid) - Hawaii (A, v, 426; vii, 401; Betrem, xvii, 248; Jepson, xxiv, 785).

Adoretus umbrosus, F. (Rutelid)

Campsomeris marginella modesta, Sm. (Hym. Scoliid) - Hawaii (A, viii, 72, 526).

Adoretus versutus, Har. (Rutelid)
Campsomeris coelebs, Sich. (Hym. Scoliid) - Ethiopia (Betrem, A, xvii, 248): Madagascar to Mauritius (A, vi, 301; Jepson, xxiv, 785).
Campsomeris marginella modesta, Sm. (Hym. Scoliid) - Fiji (A, xii, 567; Betrem, xvii, 248; Simmonds, xx, 722; Jepson, xxiv, 785).

Aegosoma sinicum, White (Prionid)
Ephialtes macropunctatus, Uch. (Hym. Ichneumonid) - Japan (Uchida, A, xvii, 191).

Ephialtes manifestator, L. (Hym. Ichneumonid) - Japan (Uchida, A, xvii, 191).

Aemona sp. (Cerambycid)
Aspicolpus hudsoni castanea, Gourl. (Hym. Braconid) - New Zealand (Gourlay, A, xviii, 653).

Aemona hirta, F. (Cerambycid)
Mesostenus albopictus, Smith (Hym. Ichneumonid) - New Zealand (Gourlay, A, xviii, 653).

Aeolesthes holosericea, F. (Cerambycid)
Exobracon maculipennis, Cam. (Hym. Braconid) - India (Beeson & Chatterjee, A, xxiv, 197).

Aeolus dorsalis, Say (Elaterid)
Pristocera armifera, Say (Hym. Bethylid) - U.S.A. (Thomas, A, xviii, 112).

Aeolus elegans, F. (Elaterid)
Pristocera armifera, Say (Hym. Bethylid) - U.S.A. (A, xv, 251).

Agabus sp. (Dytiscid)
Prestwichia aquatica, Lubb. (Hym. Trichogrammid) - Russia (Meier, A, xviii, 131).

Agapanthia dahli, Richt. (Lamiid)
Spintherus sp. (Hym. Pteromalid) - Russia (A, xxii, 588).

Agapanthia violacea, F. (Lamiid)
Microbracon suspectus, Szepl. (Hym. Braconid) - Russia (Telenga, A, xxv, 703).

Agelastica alni, L. (Galerucid)
Degeeria luctuosa, Mg. (Dipt. Tachinid) - Pyrenees (A, xix, 612).
Meigenia bisignata, Mg. (Dipt. Tachinid) - Europe (Baer, A, ix, 61, 252): Germany (A, xxiii, 394).

Agrilus angelicus, Horn (Buprestid)
Callihormius sp. (Hym. Braconid) - U.S.A. (A, ix, 29).
Cryptohelcostizus rufigaster, Cushm. (Hym. Ichneumonid) - U.S.A. (A, vii, 376; ix, 29).
Cryptoideus fasciatus, Ashm. (Hym. Ichneumonid) - U.S.A. (A, ix, 29).
Dinotus agrili, Rohw. (Hym. Pteromalid) - U.S.A. (A, vii, 442; ix, 29).
Doryctes maculipennis, Rohw. (Hym. Braconid) - U.S.A. (A, vii, 442; ix, 29).
Metapelma spectabilis, Westw. (Hym. Eupelmid) - U.S.A. (A, ix, 29).
Ptinobius agrili, Rohw. (Hym. Cleonymid) - U.S.A. (A, vii, 442; ix, 29).
Tetrastichus anthracinus, Ashm. (Hym. Eulophid) - U.S.A. (A, ix, 29).

Agrilus anxius, Gory (Buprestid)
Phasgonophora sulcata, Westw. (Hym. Chalcid) - Canada (A, xi, 478): U.S.A. (A, xi, 553).

Agrilus arcuatus, Say (Buprestid)
Labena apicalis, Cress. (Hym. Ichneumonid) - U.S.A. (A, xv, 78).
Monogonogastra agrili, Ashm. (Hym. Braconid) - U.S.A. (A, xv, 78).
Tetrastichus rugglesi, Rohw. (Hym. Eulophid) - U.S.A. (A, vii, 407).
Zatropis sp. (Hym. Pteromalid) - U.S.A. (A, xv, 78).

Agrilus arcuatus torquatus, Lec. (Buprestid)
Tetrastichus sp. (Hym. Eulophid) - U.S.A. (A, vii, 324).

Agrilus bilineatus, Weber (Buprestid)
Atanycolus sp. (Hym. Braconid) - U.S.A. (A, iii, 331).

Agrilus chrysoderes rubicola, Ablle. (Buprestid)
Entedon agrilorum, Ratz. (Hym. Eulophid) - France (A, ii, 621).

Agrilus hastulifer, Ratz. (Buprestid)
Metapelma spectabilis, Westw. (Hym. Eupelmid) - Russia (A, iii, 227).
Pteromalus flavipes, Först. (Hym. Pteromalid) - Russia (A, iii, 227; Meier, xviii, 131).
Pteromalus pospelovi, Kurd. (Hym. Pteromalid) - Russia (Meier, A, xviii, 131).

Agrilus ruficollis, F. (Buprestid)
Charitopus magnificus, Ashm. (Hym. Eupelmid) - U.S.A. (A, xi, 324).
Microbracon xanthostigmus, Cress. (Hym. Braconid) - U.S.A. (A, xi, 324).

Agrilus sinuatus, Oliv. (Buprestid)
Tetrastichus agrili, Crwf. (Hym. Eulophid) - U.S.A. (A, iii, 249).

Agrilus viridis, L. (Buprestid)
Coeloides scolyticida, Wesm. (Hym. Braconid) - Austria (Schimitschek, A, xxiv, 340).
Coeloides scolyticida rugulosa, Fahr. (Hym. Braconid) - Austria (Schimitschek, A, xxiv, 340).
Microgaster globata, L. (Hym. Braconid) - Austria (Schimitschek, A, xxiv, 340).
Tetrastichus sp. (Hym. Eulophid) - Switzerland (A, xii, 392).

Agrilus vittaticollis, Rand. (Buprestid)
Xylophruridea agrili, Vier. (Hym. Ichneumonid) - U.S.A. (A, iii, 115).

Agriotes lineatus, L. (Elaterid)
Microbracon dispar, (Hym. Braconid) - Argentina (A, ii, 638; Thomas, xviii, 112).

Agriotes obscurus, L. (Elaterid)
Paracodrus apterogynus, Hal. (Hym. Proctotrupid) - England (A, xix, 373): Estonia (A, xii, 434; xiii, 67, 68; Thomas, xviii, 112; xxi, 311): Germany (A, xiii, 203; xxii, 466).
Phaenoserphus pallipes, Latr. (Hym. Proctotrupid) - France (A, xvi, 624; Thomas, xviii, 112).

Agriotes segetis, Bjerk. - See A. lineatus, L.

Agriotes sputator, L. (Elaterid)
Paracodrus apterogynus, Hal. (Hym. Proctotrupid) - Germany (A, xiii, 203; Thomas, xviii, 112).

Alaus oculatus, L. (Elaterid)
Xorides catomus, Davis (Hym. Ichneumonid) - U.S.A. (Rohwer, A, viii, 417).

Alcides affaber, Auriv. (Curculionid)
Aphrastobracon alcidiphagus, Ram. Ayy. (Hym. Braconid) - India (A, xvi, 478; Ramakrishna Ayyar & Margabandu, xxiii, 209).

Alcides bubo, F. (Curculionid)
Campyloneurus ceylonicus, Cam. (Hym. Braconid) - India (Ramakrishna Ayyar, A, xvi, 48, 478; Ramakrishna Ayyar & Margabandu, xxiii, 209).
Eurytoma sp. (Hym. Eurytomid) - India (Ramakrishna Ayyar, A, xiii, 645).
Eurytoma pigra, Gir. (Hym. Eurytomid) - India (Ramakrishna Ayyar, A, ix, 214).
Metastenomyia juliani, Gir. (Hym. Chalcid) - India (Ramakrishna Ayyar, A, ix, 214)

Alcides erythropterus, Chev. (Curculionid)
Phaenolobus alcides, Wlkn. (Hym. Ichneumonid) - Tanganyika (A, xviii, 635)

Alcides leeuweni, Hllr. (Curculionid)
Pareuderus torymoides, Ferr. (Hym. Eulophid) - Java (Ferrière, A, xix, 538).

Alcides leopardus, Ol. (Curculionid)
Microbracon lefroyi, D. & G. (Hym. Braconid) - India (A, ix, 71).

Alcidion deletum, Bates (Lamiid)
Ipobracon waterstoni, Cam. (Hym. Braconid) - Br. Guiana (A, xix, 605).

Aleochara bilineata, Gyll. (Staphylinid)
Exallonyx ligatus, Nees (Hym. Proctotrupid) - England (A, xv, 648).

Alissonotum crassum, Arr. (Dynastid)
Campsomeris annulata, F. (Hym. Scoliid) - Formosa (A, xvi, 481; Jepson, xxiv, 785).
Tiphia sp. (Hym. Scoliid) - Formosa (A, xxiv, 274).

Alissonotum impressicolle, Arr. (Dynastid)
Campsomeris annulata, F. (Hym. Scoliid) - Formosa (A, xvi, 481; Jepson, xxiv, 785).
Tiphia sp. (Hym. Scoliid) - Formosa (A, xxiv, 274).

Alissonotum pauper, Burm. (Dynastid)
Campsomeris annulata, F. (Hym. Scoliid) - Formosa (A, xvi, 481; Jepson, xxiv, 785).
Tiphia sp. (Hym. Scoliid) - Formosa (A, xxiv, 274).

Allorrhina nitida, L. (Cetoniid)
Sarcophaga rapax, Wlk. (Dipt. Sarcophagid) - U.S.A. (A, x, 164; xiii, 258).
Sarcophaga sarraceniae, Riley (Dipt. Sarcophagid) - U.S.A. (A, x, 164).
Sarcophaga utilis, Aldr. (Dipt. Sarcophagid) - U.S.A. (A, iii, 356; x, 164).
Scolia dubia, Say (Hym. Scoliid) - America (Betrem, A, xvii, 248): U.S.A. (A, x, 164; xxi, 231; Jepson, xxiv, 785).

Amara aulica, Pz. (Carabid)
Weberia curvicauda, Fall. (Dipt. Tachinid) - Europe (Baer, A, ix, 61, 252).

Amblyrrhinus poricollis, Boh. (Curculionid)
Microbracon sp. (Hym. Braconid) - India (Husain & Mathur, A, xii, 383).

Amphimallon solstitialis, L. (Melolonthid)
Billaea pectinata, Mg. (Dipt. Tachinid) - Europe (Baer, A, ix, 61, 252).
Dexia rustica, F. (Dipt. Tachinid) - Europe (Baer, A, ix, 61, 252).
Microphthalma disjuncta, Wied. (Dipt. Tachinid) - Russia (A, ii, 259).
Syntomocera petiolata, Boisd. (Dipt. Tachinid) - Europe (Baer, A, ix, 61, 252).
Tiphia femorata, F. (Hym. Scoliid) - Europe (A, vi, 344); Russia (A, ii, 259; Jepson, xxiv, 785).
Tiphia morio, F. (Hym. Scoliid) - Russia (A, ii, 259).

Anadastus sp. (Languriid)
Eurytoma sp. (Hym. Eurytomid) - Malaya (Corbett & Miller, A, xxi, 676).

Anatis ocellata, L. (Coccinellid)
Phalacrotophora fasciata, Fall. (Dipt. Phorid) - Britain (A, xx, 454).

Anatis quinquedecimpunctata, Ol. (Coccinellid)
Homalotylus terminalis, Say (Hym. Encyrtid) - U.S.A. (Timberlake, A, vii, 523).
Dinocampus terminatus, Nees (Hym. Braconid) - U.S.A. (A, ii, 131).

Anisandrus dispar, F. - See Xyleborus

Anisoplia austriaca, Hbst. (Rutelid)
Microphthalma disjuncta, Wied. (Dipt. Tachinid) - Russia (A, ii, 259).
Scolia quadripunctata, F. (Hym. Scoliid) - Palaearctic (Betrem, A, xvii, 248); Russia (A, ii, 259; Jepson, xxiv, 785).
Tiphia femorata, F. (Hym. Scoliid) - Russia (A, ii, 259; Jepson, xxiv, 785).
Tiphia morio, F. (Hym. Scoliid) - Russia (A, ii, 259; Jepson, xxiv, 785).

Anobium sp. (Anobiid)
Calosota sp. (Hym. Eupelmid) - Spain (A, xi, 578).

Anobium abietis, F. - See Ernobius

Anobium domesticum, Geoff. - See A. punctatum, DeG.

Anobium fulvicorne, Sturm. (Anobiid)
Spathius pedestris, Wesm. (Hym. Braconid) - Germany (Schutze & Roman, A, xix, 239).

Anobium panicea, L. - See Sitodrepa

Anobium pertinax, L. - See A. punctatum, DeG.

Anobium punctatum, DeG. (Anobiid)
Cerocephala formiciformis, Westw. (Hym. Pteromalid) - Europe, N. America, New Zealand (Gourlay, A, xviii, 653).
Demophorus robustus, Bris. (Hym. Ichneumonid) - Europe (Fahringer, A, x, 497).
Doryctes leucogaster, L. (Hym. Braconid) - Europe (Fahringer, A, x, 497).
Hemiteles bicolorinus, Grav. (Hym. Ichneumonid) - Czechoslovakia (Kolubajiv, A, xxiii, 229).
Spathius exarator, L. (Hym. Braconid) - Czechoslovakia (Kolubajiv, A, xxiii, 229): Poland (A, xviii, 323): Russia (Meier, A, xvi, 200; xviii, 188).
Spathius pedestris, Wesm. (Hym. Braconid) - France (A, vi, 476; vii, 236; ix, 23).

Anobium rufipes, F. (Anobiid)
Hecabolus sulcatus, Curt. (Hym. Braconid) - Sweden (A, iv, 354).

Anobium striatum, Ol. - See A. punctatum, DeG.

Anomala sp. (Rutelid)
Campsomeris sp. (Hym. Scoliid) - Korea (A, xii, 172; Jepson, xxiv, 785).
Campsomeris annulata, F. (Hym. Scoliid) - Japan (Clausen, Gardner & Sato, A, xxi, 14).
Campsomeris coelebs, Sich. (Hym. Scoliid) - Java (A, vi, 344; Jepson, xxiv, 785).
Campsomeris dohrni sumatrensis, Betr. (Hym. Scoliid) - Java (Jepson, A, xxiv, 785).
Campsomeris marginella modesta, Sm. (Hym. Scoliid) - Hawaii (A, vii, 412; xxv, 613): Philippines (Betrem, A, xvii, 248; Lopez, xx, 214).
Prosena siberita, F. (Dipt. Tachinid) - West Java (A, xxiv, 666).
Tiphia biseculata, A. & J. (Hym. Scoliid) - Japan (Clausen, Gardner & Sato, A, xxi, 14; Jepson, xxiv, 785): Korea (Clausen, Gardner & Sato, A, xxi, 14).
Tiphia koreana, Rohw. (Hym. Scoliid) - Korea (A, xv, 297; Jepson, xxiv, 785).
Tiphia segregata, Crwf. (Hym. Scoliid) - Hawaii (A, vi, 275; Jepson, xxiv, 785).
Tiphia tegitiplaga, A. & J. (Hym. Scoliid) - Japan and Korea (Clausen, Gardner & Sato, A, xxi, 14; Jepson, xxiv, 785).
Tiphia vernalis, Rohw. (Hym. Scoliid) - Japan and Korea (Clausen, Gardner & Sato, A, xxi, 14).

Anomala aenea, DeG. (Rutelid)
Scolia hirta, Schr. (Hym. Scoliid) - Palaearctic (Betrem, A, xvii, 248; Jepson, xxiv, 785).

Anomala antiqua, Gyll. (Rutelid)
Campsomeris formosa, Guer. (Hym. Scoliid) - Australia (A, xix, 299; Jepson, xxiv, 785).

Anomala aureola, Hope (Rutelid)
Campsomeris prismatica, Sm. (Hym. Scoliid) - Malaya (A, xxv, 195, 792).

Anomala australasiae, Blkb. - See A. antiqua, Gyll.

Anomala cuprea, Hope (Rutelid)
Centeter cinerea, Aldr. (Dipt. Tachinid) - Japan (A, xxv, 672).

Anomala cupripes, Hope (Rutelid)
Campsomeris annulata, F. (Hym. Scoliid) - Formosa (A, xvi, 481; Jepson, xxiv, 785).

Anomala dimidiata, Hope (Rutelid)
Campsomeris annulata, F. (Hym. Scoliid) - Formosa (A, xvi, 481; Jepson, xxiv, 785).
Tiphia sp. (Hym. Scoliid) - India (A, xvii, 166; Jepson, xxiv, 785).

Anomala expansa, Bates (Rutelid)
Campsomeris annulata, F. (Hym. Scoliid) - Formosa (A, xvi, 481; Jepson, xxiv, 785).

Anomala geniculata, Mots. (Rutelid)
Centeter cinerea, Aldr. (Dipt. Tachinid) - Japan (A, xxv, 672).

Anomala orientalis, Waterh. (Rutelid)
Campsomeris marginella modesta, Sm. (Hym. Scoliid) - Into U.S.A. (A, xiv, 154; Jepson, xxiv, 785): Hawaii (A, v, 426; vii, 401; viii, 526; xii, 199; xiv, 410, Imms, 511; xvii, 72, Betrem, 248; xx, 572; xxi, 493; xxii, 146; xxiii, 219, 243; xxiv, 379): Japan (Moutia, A, xxiii, 243): Philippines (A, xiii, 86; Jepson, xxiv, 785): Africa (Moutia, A, xxiii, 243).
Elis sp. (Hym. Scoliid) - Hawaii (A, xxiii, 219): Japan (A, vi, 344).
Elis fulviceps, Cam. (Hym. Scoliid) - Hawaii (A, xxiv, 379).
Elis ornaticeps, Cam. (Hym. Scoliid) - Hawaii (A, xxiv, 379).
Elis sp. (nr. pulchrina, Cam.) (Hym. Scoliid) - Hawaii (A, xxiii, 341).
Elis pulchrina, Cam. (Hym. Scoliid) - Guatemala-Hawaii (Jepson, A, xxiv, 785): Hawaii (A, xxiv, 379).
Ochromeigenia ormioides, Towns. (Dipt. Tachinid) - Japan & Korea (A, xv, 297).
Scolia sp. (Hym. Scoliid) - Hawaii (A, xiii, 287).
Tiphia sp. (Hym. Scoliid) - Hawaii (A, xxiii, 219; xxiv, 379).
Tiphia ashmeadi, Crwf. (Hym. Scoliid) - Hawaii (Jepson, A, xxiv, 785).
Tiphia popilliavora, Rohw. (Hym. Scoliid) - Korea-U.S.A. (A, xvii, 561; Jepson, xxiv, 785).
Tiphia segregata, Crwf. (Hym. Scoliid) - Hawaii (A, xxiii, 341; xxiv, 379; xxv, 613).
Tiphia vernalis, Rohw. (Hym. Scoliid) - U.S.A. (A, xv, 443; xxii, 412; Jepson, xxiv, 785).

Anomala pallida, F. (Rutelid)
Campsomeris annulata, F. (Hym. Scoliid) - Java (Jepson, A, xxiv, 785).

Campsomeris javana, Lep. (Hym. Scoliid) Java (Jepson, A, xxiv, 785).
Campsomeris phalerata, Sauss. (Hym. Scoliid) - Java (Jepson, A, xxiv, 785).
Campsomeris quadrifasciata, F. (Hym. Scoliid) - Java (Jepson, A, xxiv, 785).

Anomala pubicollis, Waterh. - See Phyllopertha

Anomala quadricalcarata, Ohs. (Rutelid)
Campsomeris annulata, F. (Hym. Scoliid) - Philippines (Jepson, A, xxiv, 785).

Anomala rufocuprea, Mots. (Rutelid)
Centeter cinerea, Aldr. (Dipt. Tachinid) - Japan (A, xxv, 672).
Ochromeigenia ormioides, Towns. (Dipt. Tachinid) - Japan and Korea (A, xv, 297).
Tachina sp. (Dipt. Tachinid) - Japan (A, xv, 156).

Anomala sieversi, Heyd. (Rutelid)
Centeter unicolor, Aldr. (Dipt. Tachinid) - U.S.A. (A, xxii, 412).
Scolia japonica, Sm. (Hym. Scoliid) - Japan (Clausen, Gardner & Sato, A, xxi, 14; Jepson, xxiv, 785).
Tiphia bicarinata, Cam. (Hym. Scoliid) - Japan and Korea (Clausen, Gardner & Sato, A, xxi, 14; Jepson, xxiv, 785).
Tiphia brevilineata, A. & J. (Hym. Scoliid) - Japan and Korea (Clausen, Gardner & Sato, A, xxi, 14; Jepson, xxiv, 785).
Tiphia koreana, Rohw. (Hym. Scoliid) - Japan and Korea (A. xv, 251; Clausen, Gardner & Sato, xxi, 14; Jepson, xxiv, 785).
Tiphia totopunctata, A. & J. (Hym. Scoliid) - Japan and Korea (Clausen, Gardner & Sato, A, xxi, 14; Jepson, xxiv, 785).

Anomala vitis, F. (Rutelid)
Scolia quadripunctata, F. (Hym. Scoliid) - Palaearctic (Betrem, A, xvii, 248; Jepson, xxiv, 785).

Anoplognathus sp. (Rutelid)
Rutilia inornata, G. & M. (Dipt. Tachinid) - Queensland (Illingworth, A, x, 615).
Scolia soror, Sm. (Hym. Scoliid) - Australia (A, ix, 89; xiii, 172).

Anoplognathus boisduvali, Boisd. (Rutelid)
Campsomeris tasmaniensis, Sauss. (Hym. Scoliid) - Australia (Betrem, A, xvii, 248; Jepson, xxiv, 785).
Scolia soror, Sm. (Hym. Scoliid) - Australia (A, xvii, 240; Jepson, xxiv, 785).

Anoxia australis, Gyll. (Melolonthid)
Scolia sexmaculata, F. (Hym. Scoliid) - Palaearctic (Betrem, A, xvii, 248; Jepson, xxiv, 785).

Anoxia matutinalis, Cast. (Melolonthid)
Scolia sexmaculata, F. (Hym. Scoliid) - Palaearctic (Betrem, A, xvii, 248; Jepson, xxiv, 785).

Anoxia villosa, F. (Melolonthid)
Scolia interruota, F. (Hym. Scoliid) - Europe (A, vi, 344; Jepson, xxiv, 785).
Scolia sexmaculata, F. (Hym. Scoliid) - Palaearctic (Behrem, A, xvii, 248; Jepson, xxiv, 785).

Anthaxia sp. (Buprestid)
Doryctes maculipennis, Rohw. (Hym. Braconid) - U.S.A. (A, vii, 442).

Anthaxia congregata, Klug (Buprestid)
Hecabalodes anthaxiae, Wlkn. (Hym. Braconid) - Sudan (A, xvii, 506).

Anthaxia corsica, Reiche (Buprestid)
Polymoria coronata, Thoms. (Hym. Eupelmid) - Spain (A, xi, 327).

Anthaxia fulgentipennis, Ab. (Buprestid)
Polymoria coronata, Thoms. (Hym. Eupelmid) - Spain (A, xi, 327).

Anthonomus sp. (Curculionid)
Microbracon mellitor, Say (Hym. Braconid) - America, Canada, Hawaii (Chu (Joo-tso) & Hsia (Shen-hsiu), A, xxv, 508).

Anthonomus cinctus, Redt. - See A. pyri, Koll.

Anthonomus grandis, Boh. (Curculionid)
Catolaccus hunteri, Crwf. (Hym. Pteromalid) - U.S.A. (A, iii, 424; v, 472; xviii, 169; xxii, 356; xxiii, 380, 385).
Catolaccus incertus, Ashm. (Hym. Pteromalid) - U.S.A. (A, iii, 424; v, 472; xxii, 356): ? (Faure, A, xi, 471).
Cerambycobius cyaniceps, Ashm. (Hym. Eupelmid) - U.S.A. (A, v, 472).
Euloewia globosa, Towns. (Dipt. Tachinid) - U.S.A. (A, v, 472).
Eupelmus cyaniceps, Ashm. (Hym. Eupelmid) - U.S.A. (A, xxii, 356).
Eupelmus cyaniceps amicus, Gir. (Hym. Eupelmid) - U.S.A. (A, xviii, 169).
Eurytoma tylodermatis, Ashm. (Hym. Eurytomid) - U.S.A. (A, iii, 424; v, 472; xviii, 169; xxii, 356; xxiii, 380): ? (Faure, A, xi, 471).
Habrocytus piercei, Crwf. (Hym. Pteromalid) - U.S.A. (A, iii, 424).
Microbracon mellitor, Say (Hym. Braconid) - U.S.A. (A, v, 472; xviii, 169, 577; xxii, 356; xxiii, 380, 385; xxiv, 415, 416): ? (Faure, A, xi, 471).
Microdontomerus anthonomi, Crwf (Hym. Torymid) - U.S.A. (A, iii, 424; v, 472).
Triaspis curculionis, Fitch (Hym. Braconid) - U.S.A. (A, v, 472; xviii, 169).
Zatropis incertus, Ashm. (Hym. Pteromalid) - U.S.A. (A, xviii, 169).

Anthonomus grandis thurberiae, Pierce (Curculionid)
Ephialtes thurberiae, Cushm. (Hym. Ichneumonid) - ? (A, iii, 691).

Anthonomus musculus, Say (Curculionid)
Habrocytus sp. (Hym. Pteromalid) - N. America (A, xv, 84).

Anthonomus nebulosus, Lec. (Curculionid)
Catolaccus hunteri, Crwf. (Hym. Pteromalid) - U.S.A. (A, ix, 517).

Habrocytus piercei, Crwf. (Hym. Pteromalid) - U.S.A. (A, ix, 517).
Sigalphus sp. (Hym. Braconid) - U.S.A. (A, ix, 517).

Anthonomus ornatus, Reiche (Curculionid)
Habrocytus fasciatus, Thoms. (Hym. Pteromalid) - Italy (A, xvii, 408).
Pimpla pomorum, Ratz. (Hym. Ichneumonid) - Italy (A, xvii, 408).
Syrrhizus distinguendus, Sarra (Hym. Braconid) - Italy (A, xvii, 408).

Anthonomus pedicularius, L. (Curculionid)
Pimpla pomorum, Ratz. (Hym. Ichneumonid) - Russia (A, v, 158; Meier, xvi, 200).
Pteromalus sp. (Hym. Pteromalid) - Russia (A, v, 158).

Anthonomus pyri, Koll. (Curculionid)
Clistopyga incitator, F. (Hym. Ichneumonid) - France (A, xviii, 515).
Habrocytus sp. (Hym. Pteromalid) - Italy (A, xxv, 704): Yugoslavia (A, xx, 664).
Habrocytus sp (? saxeseni, Ratz.) (Hym. Pteromalid) - Yugoslavia (A, xx, 664, 716).
Pimpla pomorum, Ratz. (Hym. Ichneumonid) - Britain (A, xii, 562): Yugoslavia (A, xix, 324; xx, 664, 716).

Anthonomus pomorum, L. (Curculionid)
Apanteles sp. (Hym. Braconid) - Yugoslavia (A, xx, 716).
Apanteles albipennis, Nees (Hym. Braconid) - Europe (A, xiii, 61).
Apanteles impurus, Nees (Hym. Braconid) - Europe (A, xiii, 61): Germany (Miles, A, xii, 101): Italy (A, ix, 472).
Apanteles lacteus, Nees (Hym. Braconid) - Germany (Miles, A, xii, 101).
Asaphes vulgaris, Walk. (Hym. Pteromalid) - Europe (Schulz, A, xiii, 61).
Campoplex latus, Ratz. (Hym. Ichneumonid) - Europe (Miles, A, xii, 101; xiii, 61).
Encyrtus flavomaculatus, Ratz. (Hym. Encyrtid) - Italy (A, ix, 472).
Gelis fallax, Först. (Hym. Ichneumonid) - Russia (Meier, A, xvi, 200).
Habrocytus fasciatus, Thoms. (Hym. Pteromalid) - France (A, xiii, 459; Meier, xviii, 131): Italy (Miles, A, xii, 101).
Habrocytus microgastris, Kurdj. (Hym. Pteromalid) - Russia (Meier, A, xviii, 131).
Habrocytus ochrocerus, Thoms. (Hym. Pteromalid) - Russia (Meier, A, xviii, 131).
Habrocytus tenuicornis, Först. (Hym. Pteromalid) - Holland (A, xi, 31): Russia (Meier, A, xviii, 131).
Meteorus ictericus, Nees (Hym. Braconid) - Italy (A, xii, 101).
Microbracon discoideus, Wesm. (Hym. Braconid) - France (Regnier, A, xi, 295; xiii, 459): Holland (A, viii, 407; xi, 31).
Microbracon regularis, Wesm. (Hym. Braconid) - Europe (A, xiii, 61).
Microbracon variator, Nees (Hym. Braconid) - Italy (A, ix, 472): Europe (Faure, A, xi, 399, 471).
Microbracon sp. (? variator, Nees) (Hym. Braconid) - France (Regnier, A, xi, 295).
? Perilitus sp. (Hym. Braconid) - Germany (A, xxi, 581).
Pimpla sp. (Hym. Ichneumonid) - Britain (A, xiii, 60).
Pimpla ameformis, Keler (Hym. Ichneumonid) - Poland (A, xxv, 796).
Pimpla brevicornis, Grav. (Hym. Ichneumonid) - Poland (A, xv, 13; Keler, xvii, 191).

Pimpla brunnea, Brischke (Hym. Ichneumonid) - Poland (A, xv, 13).
Pimpla calobata, Grav. (Hym. Ichneumonid) - Poland (Keler, A, xvii, 191): Russia (Meier, A, xvi, 200).
Pimpla detrita, Hlgr. (Hym. Ichneumonid) - Latvia (Ozols, A, xvii, 55).
Pimpla examinator, F. (Hym. Ichneumonid) - Europe (Miles, A, xii, 101; xiii, 61, 479; Thorpe, xix, 29).
Pimpla graminellae, Schrank (Hym. Ichneumonid) - Europe (Miles, A, xii, 101): Italy (A, ix, 472).
Pimpla holmgreni, Schmdk. (Hym. Ichneumonid) - Europe (A, xiii, 61).
Pimpla inquisitor, Scop. (Hym. Ichneumonid) - Latvia (Ozols, A, xvii, 55): Russia (Romanova, A, xix, 563).
Pimpla nigriscapsa, Thoms. (Hym. Ichneumonid) - Russia (Meier, A, xvi, 200).
Pimpla nucum, Ratz. (Hym. Ichneumonid) - Europe (A, xiii, 61): Poland (A, xiv, 602; xv, 13; xxv, 796).
Pimpla pomorum, Ratz. (Hym. Ichneumonid) - Europe (A, xiii, 61): Bulgaria (Tchorbadzhiev, A, xiii, 601): Czechoslovakia (Kolubajiv, A, xxiii, 229): England (A, vi, 280; viii, 139; xii, 101; xvi, 9): France (A, xi, 295; xii, 232; xiii, 459): Germany (A, xiv, 193): Holland (A, xi, 31): Poland (A, xv, 13; Keler, xvii, 191; xxv, 796): Russia (A, iii, 533; v, 158; Meier, xvi, 200; Romanova, xix, 563): Yugoslavia (A, xv, 229; xix, 324; xx, 664, 716).
Pimpla sagax, Htg. (Hym. Ichneumonid) Europe (A, xiii, 61): Germany (Miles, A, xii, 101): Russia (Meier, A, xvi, 200).
Pimpla trilobata, Keler (Hym. Ichneumonid) - Poland (A, xxv, 796).
Pimpla truncata, Keler (Hym. Ichneumonid) - Poland (A, xxv, 796).
Pteromalus sp. (Hym. Pteromalid) - France (Regnier, A, xi, 295): Russia (A, v, 158).
Pteromalus saxesenii, Swed. (Hym. Pteromalid) - Europe (A, xiii, 61).
Tetrastichus pospielovi, Kurdj. (Hym. Eulophid) - Russia (Meier, A, xviii, 131).

Anthonomus rubi, Hbst. (Curculionid)
Habrocytus sp. (Hym. Pteromalid) - England (A, xx, 553).
Microbracon immutator, Nees (Hym. Braconid) - England (A, xx, 553; xxiv, 225).

Anthonomus scutellaris, Lec. (Curculionid)
Sigalphus canadensis, Prov. (Hym. Braconid) - Canada (Treherne, A, iv, 527).

Anthonomus signatus, Say (Curculionid)
Catolaccus fragariae, Rohw. (Hym. Pteromalid) - U.S.A. (A, xxii, 324).
Catolaccus perdubius, Girault (Hym. Pteromalid) - U.S.A. (A, v, 461).
Eupelminus coleopterophagus, Gir. (Hym. Eupelmid) - U.S.A. (A, v, 10).
Eupelmus coleopterophagus, Marc. (Hym. Eupelmid) - U.S.A. (A, v, 461).
Eurytoma sp. (Hym. Eurytomid) - U.S.A. (A, v, 461).
Habrocytus obscuripes, Ashm. (Hym. Pteromalid) - U.S.A. (A, v, 10, 461).
Lestodiplosis sp. (Dipt. Cecidomyiid) - U.S.A. (A, v, 461).
Polynema consobrinus, Gir. (Hym. Mymarid) - U.S.A. (A, v, 461).

Anthonomus spilotus, Redt. (Curculionid)
Habrocytus tenuicornis, Först. (Hym. Pteromalid) France (A, xviii, 515)
Microbracon discoideus, Wesm. (Hym. Braconid) - France (A, xviii, 515).

Anthonomus varians, Payk. (Curculionid)
Habrocytus radialis, Thoms. (Hym. Pteromalid) - Sweden (A, xiii, 163).
Tetrastichus pospielovi, Kurdj. (Hym. Eulophid) - Sweden (A, xiii, 163).

Anthonomus vestitus, Boh. (Curculionid)
Catolaccus townsendi, Crwf. (Hym. Pteromalid) - Peru (A, i, 316).
Cerambycobius peruvianus, Crwf. (Hym. Eupelmid) - Peru (A, i, 316).
Cerambycobius townsendi, Crwf. (Hym. Eupelmid) - Peru (A, i, 316).
Eurytoma piurae, Crwf. (Hym. Eurytomid) - Peru (A, i, 316).
Microbracon vestiticida, Vier. (Hym. Braconid) - Peru (A, i, 316).
Triaspis vesticida, Vier. (Hym. Braconid) - Peru (A, 1, 316).

Anthrenus verbasci, L. (Dermestid)
Laelius anthrenivorus, Trani (Hym. Bethylid) - France (A, xx, 221).

Apate sp. (Bostrychid)
Cephalonomia formiciformis, Westw. (Hym. Bethylid) - France (A, ii, 195).
Laelius perrisi, Kieff. (Hym. Bethylid) - France (A, ii, 195).
Laelius tibialis, Kieff. (Hym. Bethylid) - France (A, ii, 195).
Pteromalus bimaculatus, Nees (Hym. Pteromalid) - France (A, ii, 195).

Aphodius sp. (Aphodiid)
Tiphia femorata, F. (Hym. Scoliid) - Russia (A, ii, 259; Jepson, xxiv, 785).

Apion sp. (Curculionid)
Dinocampus sp. (Hym. Braconid) - Russia (A, v, 89).

Apion aestivum, Germ. (Curculionid)
Pteromalus sp. (Hym. Pteromalid) - Sweden (A, xxiii, 625).
Triaspis caudatus, Nees (Hym. Braconid) - Sweden (A, xxiii, 625).

Apion apricans, Hbst. (Curculionid)
Eubazus macrocephalus, Nees (Hym. Braconid) - Russia (A, ii, 340).
Pseudotorymus apionis, Mayr (Hym. Torymid) - Austria (Ruschka, A, xi, 407): England (A, xxiii, 354).
Pteromalus sp. (Hym. Pteromalid) - Sweden (A, xxiii, 625).
Triaspis caudatus, Nees (Hym. Braconid) - Sweden (A, xxiii, 625).

Apion hookeri, Kby. (Curculionid)
Aphidius chrysanthemi, Wsm. (Hym. Aphidiid) - Germany (A, viii, 174).
Encyrtus morio, Dalm. (Hym. Encyrtid) - Germany (A, viii, 174).
Microbracon satanas, Wsm. (Hym. Braconid) - Germany (A, viii, 174).

Apion longirostris, Gyll. (Curculionid)
Sigalphus floricola, Wesm. (Hym. Braconid) - Russia (Telenga, A, xxv, 703).

Apion loti, Kby. (Curculionid)
Trichomalus irus, Wlk. (Hym. Pteromalid) - England (A, xxiii, 354).

Apion tubiferum, Gyll. (Curculionid)
Eupelmus vesicularis, Ratz. (Hym. Eupelmid) - France (Bull. Soc. ent. France, 1926, pp. 131-132).

Sigalphus striola, Thoms. (Hym. Braconid) - France (Bull. Soc. ent. France, 1926, p. 131).

Apion ulicis, Först. (Curculionid)
Spintherus leguminum, Ratz. (Hym. Pteromalid) - Britain (A, xvi, 540).

Apion xanthostylum, Wagn. (Curculionid)
Entedon sp. (Hym. Eulophid) - Tanganyika (A, xxv, 49).

Apoderus balteatus, Roel. (Curculionid)
Microbracon apoderi, Watanabe (Hym. Braconid) - Japan (A, xxi, 548).

Apogonia destructor, Ritz. (Melolonthid)
Masicera sp. (Dipt. Tachinid) - Dutch E. Indies (Leefmans, A, xviii, 456).
Prosena siberita, F. (Dipt. Tachinid) - W. Java (Jepson, A, xxiv, 666).

Apriona rugicollis, Chevr. (Cerambycid)
Tetrastichus sp. (Hym. Eulophid) - Formosa (A, vi, 174).

Araecerus fasciculatus, DeG. (Anthribid)
Apanteles araeceri, Wlkn. (Hym. Braconid) - Java (A, xvii, 153).
Aximopsis javensis, Gir. (Hym. Eurytomid) - Java (A, vi, 2).
Eupelmus javae, Gir. (Hym. Eupelmid) - Java (A, vi, 2): Malaya (Corbett & Miller, A, xxi, 676).
Eurytoma sp. (Hym. Eurytomid) - Malaya (Corbett & Miller, A, xxi, 676).
Perisierola emigrata, Rohw. (Hym. Bethylid) - Hawaii (A, vii, 435).
Ptinobius texanus, Cwfd. (Hym. Cleonymid) - U.S.A. (A, v, 163).

Aserica castanea, Arr. (Melolonthid)
Prosena siberita, F. (Dipt. Tachinid) - U.S.A. (A, xx, 215).
Tiphia sp. (Hym. Scoliid) - U.S.A. (A, xviii, 413; xxiii, 379).
Tiphia asericae, A. & J. (Hym. Scoliid) - U.S.A. (A, xxiv, 293): Japan (Jepson, A, xxiv, 785).
Tiphia sternata, Parker (Hym. Scoliid) - U.S.A. (A, xxv, 414).

Aserica orientalis, Mots. (Melolonthid)
Centeter cinerea, Aldr. (Dipt. Tachinid) - Japan (A, xxv, 672).
Tiphia agilis, Smith (Hym. Scoliid) - Japan and Korea (Clausen, Gardner & Sato, A, xxi, 14; Jepson, xxiv, 785).

Asida obovata, Lec. (Tenebrionid)
Sarcophaga eleodis, Aldr. (Dipt. Sarcophagid) - U.S.A. (A, xiii, 258).

Aspidomorpha sp. (Cassidid)
Tetrastichus colemani, Cwfd. (Hym. Eulophid) - India (Ramakrishna Ayyar, A, xiii, 645; xvi, 48; Ramakrishna Ayyar & Margabandu, A, xxiii, 209).

Aspidomorpha miliaris, F. (Cassidid)
Cassidocida aspidomorphae, Cwfd. (Hym. Eulophid) - India (A, ii, 288; Ramakrishna Ayyar, A, ix, 214; xiii, 645; xvi, 48).
Chalcid sp. (Hym.) - Java (A, xxiii, 265).
Tetrastichus colemani, Cwfd. (Hym. Eulophid) - India (Ramakrishna Ayyar, A, x, 183; Ramakrishna Ayyar & Margabandu, A, xxiii, 209).

Aspidomorpha sanctaecrucis elevata, F. (Cassidid)
Chalcid sp. (Hym.) - Java (A, xxiii, 265).

Astynomus aedilis, L. - See Acanthocinus

Athous haemorrhoidalis, F. - See A. obscurus, Payk.

Athous obscurus, Payk. (Elaterid)
Phaenoserphus sp. (Hym. Proctotrupid) - England (A, viii, 137).

Atimia dorsalis, Lec. (Cerambycid)
Deuteroxorides borealis, Cress. (Hym. Ichneumonid) - U.S.A. (Rohwer, A, viii, 417).

Attelabus aureolus, Gyll. (Curculionid)
Zatropis sp. (Hym. Pteromalid) - Cuba (A, xxiii, 748).

Attelabus curculionoides, L. - See A. nitens, Scop.

Attelabus nitens, Scop. (Curculionid)
Poropoea stollwercki, Först. (Hym. Trichogrammid) - Europe (Girault, A, ii, 310): France (A, v, 471): Italy (A, iv, 425).

Attelabus sexmaculatus, Chev. (Curculionid)
Poropoea attelaborum, Gir. (Hym. Trichogrammid) - Porto Rico (A, xi, 59).

Aulacophora abdominalis, F. (Galerucid)
Medinodexia fulviventris, Towns. (Dipt. Tachinid) - Ceylon (Baranoff, A, xxii, 555).

Aulacophora stevensi, Baly (Galerucid)
Medinodexia fulviventris, Towns. (Dipt. Tachinid) - Ceylon (Baranoff, A, xxii, 555).

Azya orbigera, Muls. (Coccinellid)
Xenocrepis mexicana, Gir. (Hym. Miscogasterid) - Mexico (A, iv, 280).

Balaninus glandium, Marsh. (Curculionid)
Pimpla calobata, Grav. (Hym. Ichneumonid) - Europe (Fahringer, A, x, 497).

Balaninus nasicus, Say (Curculionid)
Trichacis rufipes, Ashm. (Hym. Platygasterid) - U.S.A. (Fouts, A, xii, 423).

Balaninus nucum, L. (Curculionid)
Pimpla calobata, Grav. (Hym. Ichneumonid) - Europe (Fahringer, A, x, 497).

Balaninus villosus, F. (Curculionid)
Pimpla calobata, Grav. (Hym. Ichneumonid) - Europe (Fahringer, A, x, 497).

Barbaropus paradoxus, Oliff (Languriid)
Colpixys necator, Wtstn. (Hym. Eulophid) - S. Rhodesia (A, v, 4).

Baris sp. (Curculionid)
Catolaccus incertus, Ashm. (Hym. Pteromalid) - ? (Faure, A, xi, 471).
Eurytoma tylodermatis, Ashm. (Hym. Eurytomid) ? (Faure, A, xi, 471).
Microbracon mellitor, Say (Hym. Braconid) - ? (Faure, A, xi, 471).

Baris chlorizans, Germ. (Curculionid)
Eurytoma curculionum, Mayr (Hym. Eurytomid) - France (Faure, A, xi, 399, 471).
Microbracon glaphyrus, Marsh. (Hym. Braconid) - France (Faure, A, xi, 399, 471; xii, 480).
Microbracon variator, Nees (Hym. Braconid) - France (Faure, A, xi, 399, 471).
Pteromalus sp. (Hym. Pteromalid) - France (Faure, A, xi, 399, 471).

Baris cuprirostris, F. (Curculionid)
Eurytoma curculionum, Mayr (Hym. Eurytomid) - France (Faure, A, xi, 399, 471).
Microbracon glaphyrus, Marsh. (Hym. Braconid) - France (A, xi, 399).
Microbracon variator, Nees (Hym. Braconid) - France (A, xi, 399, 471).
Pteromalus sp. (Hym. Pteromalid) - France (Faure, A, xi, 399, 471).

Baris laticollis, Marsh. (Curculionid)
Entedon pharnus, Wlk. (Hym. Eulophid) - France (Faure, A, xi, 399, 471).
Eurytoma curculionum, Mayr (Hym. Eurytomid) - France (A, xi, 399).
Microbracon baridii, Marsh. (Hym. Braconid) - France (Faure, A, xi, 399, 471).
Microbracon glaphyrus, Marsh. (Hym. Braconid) - France (Faure, A, xi, 399; xii, 480; Falcoz, Bull. Soc. ent. France, 1924, 222).
Microbracon variator, Nees (Hym. Braconid) - France (A, xi, 399).
Pteromalus sp. (Hym. Pteromalid) - France (A, xi, 399).

Baris picina, Germ. - See B. laticollis, Marsh.

Barynotus elevatus, Marsh. (Curculionid)
Blacus sp. (Hym. Braconid) - Germany (Stich, A, xvii, 460).

Barynotus obscurus, F. (Curculionid)
Blacus tuberculatus, Hal. (Hym. Braconid) - France (Stich, A, xvii, 460).

Batocera lineolata, Chevr. (Lamiid)
Euurobracon yokohamae, Dalla Torre (Hym. Braconid) - Japan (Watanabe, A, xxiii, 215).

Batocera rubus, L. (Lamiid)
Louricia ovivora, Ferr. (Hym. Cleonymid) - Malaya (A, xxiv, 647).
Ooencyrtus batocerae, Ferr. (Hym. Encyrtid) - Malaya (A, xxiv, 647).

Bellamira scalaris, Say (Cerambycid)
Arotes formosus, Cress. (Hym. Ichneumonid) - U.S.A. (Champlain, A, x, 457).

Blaps halophila, Fisch. (Tenebrionid)
Stomatomyia acuminata, Rond. (Dipt. Tachinid) - Russia (A, xvi, 61).

Blastophagus - See Myelophilus

Blepharida rhois, Först. (Halticid)
Doryphorophaga aberrans, Towns. (Dipt. Tachinid) - U.S.A. (A, iv, 279)
Tetrastichus ovipransus, Cros. & Leon.(Hym. Eulophid) - ? (A, v, 583).

Bothynoderes punctiventris, Germ. (Curculionid)
Thereva plebeja, L. (Dipt. Therevid) - Czechoslovakia (A, xv, 316).

Brachycerus undatus, F. (Curculionid)
Rondania dimidiata, Mg. (Dipt. Tachinid) - Italy (A, xviii, 561).

Brachyderes incanus, L. (Curculionid)
Pygostolus falcatus, Nees (Hym. Braconid) - Holland (A, xxiii, 682).
Pygostolus multiarticulatus, Ratz. (Hym. Braconid) - Holland (A, xxii, 433; xxiii, 682).
Rondania dimidiata, Mg. (Dipt. Tachinid) - Holland (A, xxii, 433; xxiii, 682).

Brachyderes lusitanicus, F. (Curculionid)
Rondania dispar, Duf. (Dipt. Tachinid) - Europe (Baer, A, ix, 61, 252).

Brachys ovatus, Web. (Buprestid)
Closterocerus cinctipennis, Ashm. (Hym. Eulophid) - U.S.A. (A, vii, 308).

Brontispa froggatti, Sharp. (Hispid)
Tetrastichodes brontispae, Ferr. (Hym. Eulophid) - New Guinea (A, xxi, 360; Lever, xxv, 647).
Trichogrammatoidea nana, Zehnt. (Hym. Trichogrammid) - (A, xxi, 360).

Brontispa froggatti var. selebensis, Gestro (Hispid)
Haeckeliana brontispae, Ferr. (Hym. Trichogrammid) - Celebes (Ferrière, A, xix, 538; xxiii, 509).
Tetrastichodes brontispae, Ferr. (Hym. Eulophid) - Java to Br. Solomon Is. (A, xxiv, 569).

Brontispa longissima, Gestro (Hispid)
Haeckeliana brontispae, Ferr. (Hym. Trichogrammid) - Java (Ferriere, A, xix, 538; xxiii, 509).
Ooencyrtus sp. (Hym. Encyrtid) - Java (A, xxiii, 509).
Tetrastichodes brontispae, Ferr. (Hym. Eulophid) - Java, (A, xxi, 360; xxiii, 509; xxiv, 329).

Bruchidius - See Bruchus

Bruchus sp. (Bruchid)
Bruchobius colemani, Crwf. (Hym. Pteromalid) - India (Rāmakrishna Ayyar, A, xiii, 645, xvi, 48).
Bruchobius laticeps, Ashm. (Hym. Pteromalid) - ? (A, x, 106).
Bruchobius vagabundus, Timb. (Hym. Pteromalid) - India (A, xiv, 544).

Bruchocida orientalis, Crwf. (Hym. Eupelmid) - India (Ramakrishna Ayyar, A, xiii, 645).

Bruchus affinis, Fröel (Bruchid)
Sigalphus luteipes, Thoms. (Hym. Braconid) - France (A, vii, 236).

Bruchus brachialis, Fhs. (Bruchid)
Eupelminus saltator, Lind. (Hym. Eupelmid) - U.S.A. (A, xxi, 415).
Eupelmus cyaniceps amicus, Gir. (Hym. Eupelmid) - U.S.A. (A, xxi, 415).
Eurytoma tylodermatis, Ashm. (Hym. Eurytomid) - U.S.A. (A, xxi, 415).
Habrocytus sp. (Hym. Pteromalid) - U.S.A. (A, xxi, 415).
Microdontomerus anthonomi, Crwf. (Hym. Torymid) - U.S.A. (A, xxi, 415).
Zatropis incertus, Ashm. (Hym. Pteromalid) - U.S.A. (A, xxi, 415)

Bruchus chinensis, L. (Bruchid)
Aplastomorpha calandrae, How. (Hym. Pteromalid) - Malaya (Corbett & Miller, A, xxi, 676).
Bruchobius colemani, Crwf. (Hym. Pteromalid) - India (A, ii, 288; viii, 65; Ramakrishna Ayyar, x, 183; Ramakrishna Ayyar & Margabandu, xxiii, 209).
Bruchobius vagabundus, Timb. (Hym. Pteromalid) - Hawaii (A, xiv, 544).
Bruchocida orientalis, Crwf. (Hym. Eupelmid) - India (A, ii, 288; viii, 65; Ramakrishna Ayyar, xvi, 48; Ramakrishna Ayyar & Margabandu, xxiii, 209).
Pteromalus sp. (Hym. Pteromalid) - Formosa (A, xxv, 305).
Uscana semifumipennis, Gir. (Hym. Trichogrammid) - Hawaii (A, vi, 352; Swezey, xviii, 255).

Bruchus cicatricosus, Fhs. (Bruchid)
Bruchobius magnus, Rohw. (Hym. Pteromalid) - S. Africa (A, xxii, 324).
Bruchocida orientalis, Crwf. (Hym. Eupelmid) - S. Africa (A, xv, 344).
Eurytoma sp. (Hym. Eurytomid) - S. Africa (A, xv, 344).

Bruchus cisti, F. (Bruchid)
Chalcid sp. (Hym.) - France (Falcoz, Bull. Soc. ent. France, 1927, 229).
Proctotrupid sp. (Hym.) - France (Falcoz, Bull soc. ent. France, 1927, 229).

Bruchus dentipes, Pdi, (Bruchid)
Sigalphus thoracicus, Curt. (Hym. Braconid) - Cyprus (A, xvi, 345).

Bruchus granarius, Sch. (Bruchid)
Chremylus rubiginosus, Nees (Hym. Braconid) - Russia (Meier, A, xvi, 200).

Bruchus lentis, Boh. (Bruchid)
Pteromalus sp. (Hym. Pteromalid) - Bulgaria (Tchorbadzhiev, A, xiii, 601).
Sigalphus farialis, Ratz. (Hym. Braconid) - Bulgaria (Tchorbadzhiev, A, xiii, 601; xv, 230).

Bruchus limbatus, Horn. (Bruchid)
Uscana semifumipennis, Gir. (Hym. Trichogrammid) - Hawaii (Swezey, A, xviii, 255).

Bruchus obscurus, Fhs. (Bruchid)
Tetrastichus sp. (Hym. Eulophid) - S. Africa (A, xv, 344).

Bruchus phaseoli, Gyll. (Bruchid)
Uscana semifumipennis, Gir. (Hym. Trichogrammid) - Hawaii (Swezey, A, xviii, 255).

Bruchus pisorum, L. (Bruchid)
Aplastomorpha sp. (Hym. Pteromalid) - S. Africa (A, xv, 344).
Bruchobius magnus, Rohw. (Hym. Pteromalid) - S. Africa (A, xxii, 324).
Bruchocida orientalis, Crwf. (Hym. Eupelmid) - S. Africa (A, xv, 344).
Bruchoctonus senex, Grese (Hym. Trichogrammid) - Russia (A, xiii, 545).
Sigalphus thoracicus, Curt. (Hym. Braconid) - Russia (Telenga, A, xxv, 703).

Bruchus prosopis, Lec. (Bruchid)
Heterospilus prosopidis, Vier. (Hym. Braconid) - Hawaii (A, vi, 352).
Uscana semifumipennis, Gir. (Hym. Trichogrammid) - Hawaii (A, viii, 430, 436; Swezey, xviii, 255).

Bruchus pruininus, Horn (Bruchid)
Heterospilus prosopidis, Vier. (Hym. Braconid) - Hawaii (A, vi, 352).
Horismenus depressus, Gahan (Hym. Eulophid) - U.S.A. (A, xviii, 285).
Uscana semifumipennis, Gir. (Hym. Trichogrammid) - Hawaii (A, vi, 352; Swezey, xviii, 255).

Bruchus quadrimaculatus, F. (Bruchid)
Aplastomorpha calandrae, How. (Hym. Pteromalid) - U.S.A. (A, xi, 301).
Bruchobius laticeps, Ashm. (Hym. Pteromalid) - U.S.A. (A, ii, 288; viii, 185, 501).
Bruchobius vagabundus, Timb. (Hym. Pteromalid) - Hawaii (A, xiv, 544).
Chaetospila elegans, Westw. (Hym. Pteromalid) - Hawaii (A, vii, 434).
Chaetostricha mukerjii, Mani (Hym. Trichogrammid) - India (A, xxiv, 128, 764).
Uscana semifumipennis, Gir. (Hym. Trichogrammid) - U.S.A. (A, viii, 501).

Bruchus rufimanus, Boh. (Bruchid)
Bruchobius magnus, Rohw. (Hym. Pteromalid) - S. Africa (A, xxii, 324).
Sigalphus primus, Brèthes (Hym. Braconid) - Argentina (A, xiv, 86).
Uscana semifumipennis, Gir. (Hym. Trichogrammid) - Japan (A, xxi, 382).

Bruchus rufulus, Fhs. (Bruchid)
Bruchocida orientalis, Crwf. (Hym. Eupelmid) - S. Africa (A, xv, 344).

Bruchus sallei, Sharp (Bruchid)
Uscana semifumipennis, Gir. (Hym. Trichogrammid) - Hawaii (A, vii, 434; viii, 430, 436; Swezey, xviii, 255).

Bruchus vectabilis, Gyll. (Bruchid)
Microbracon sp. (Hym. Braconid) - India (Hussain & Mathur, A, xii, 383).

BUPRESTID sp.

Vipio gracilis, Ramakrishna (Hym. Braconid) - India (Ramakrishna Ayyar & Margabandu, A, xxiii, 209).

Buprestis aurulenta, L. (Buprestid)

Deretaphrus oregonensis, Horn (Col. Colydiid) - U.S.A. (A, vii, 381).
Oryssus sp. (Hym. Tenthredinid) - U.S.A. (A, vi, 550).

Buprestis confluens, Say (Buprestid)

Oryssus occidentalis, Cress. (Hym. Tenthredinid) - U.S.A. (A, vi, 550).

Buprestis laeviventris, Lec. (Buprestid)

Deretaphrus oregonensis, Horn (Col. Colydiid) - U.S.A. (A, vii, 381).
Oryssus occidentalis, Cress. (Hym. Tenthredinid) - U.S.A. (A, vi, 550).
Xorides californicis, Cress. (Hym. Ichneumonid) - U.S.A. (Rohwer, A, viii, 417)

Byctiscus betulae, L. (Curculionid)

Apanteles hoplites, Ratz. (Hym. Braconid) - France (A, vi, 172): Germany (A, x, 230).
Diospilus capito, Nees (Hym. Braconid) - France (A, vi, 172).
Elachertus idomene, Wlk. (Hym. Eulophid) - France (A, vi, 172).
Microbracon discoideus, Wesm. (Hym. Braconid) - Europe (Thorpe, A, xix, 29): France (A, vi, 172).
Omorgus mutabilis, Hlgr. (Hym. Ichneumonid) - Germany (Wagner, A, xix, 127).
Pimpla brunnea, Bris. (Hym. Ichneumonid) - Europe (Fahringer, A, x, 497).
Pimpla flavipes, Ratz. (Hym. Ichneumonid) - France (A, vi, 172).
Poropoea defilippii, Rond. (Hym. Trichogrammid) - France (A, vi, 172): ? (A, iv, 425).

Byctiscus populi, L. (Curculionid)

Microbracon discoideus, Wesm. (Hym. Braconid) - Europe (Thorpe, A, xix, 29).

Byctiscus venustus, Pasc. (Curculionid)

Calyptus byctisci, Watanabe (Hym. Braconid) - Japan (A, xxi, 548).

Calandra sp. (Curculionid)

Aplastomorpha calandrae, How. (Hym. Pteromalid) - ? (A, x, 106).
Chaetospila elegans, Westw. (Hym. Pteromalid) - ? (A, x, 106).
Lariophagus distinguendus, Först. (Hym. Pteromalid) - ? (A, x, 106).
Lariophagus utibilis, Tuck. (Hym. Pteromalid) - ?(A, x, 106).
Rhabdepyris zeae, Turn. & Wtrst. (Hym. Bethylid) - ? (A, x, 106).

Calandra granaria, L. (Curculionid)

Aplastomorpha calandrae, How. (Hym. Pteromalid) - N. America (A, xiv, 468): U.S.A. (A, xi, 301): ? (A, iv, 143).
Cerocephala cornigera, Westw. (Hym. Pteromalid) - ? (A, iv, 143).
Cerocephala elegans, Westw. (Hym. Pteromalid) - Germany (A, viii, 331).
Cerocephala formiciformis, Westw. (Hym. Pteromalid) - Germany (A, viii, 331).
Chaetospila elegans, Westw. (Hym. Pteromalid) - N. America (A, xiv, 468): ? (A, x, 106).

Chremylus rubiginosus, Nees (Hym. Braconid) - Germany (A, viii, 331).
Dibrachys cavus, Wlk. (Hym. Pteromalid) - ? (Faure & Zolotarewsky, A, xiii, 593).
Lariophagus distinguendus, Först. (Hym. Pteromalid) - Britain (A, x, 106): Germany (A, v, 318; viii, 331; ix, 133; xii, 437): Italy (A, xvii, 601): Russia (A, iv, 106, 143; xiv, 212, 393; Meier, xviii, 131): Yugoslavia (A, xx, 716): ? (A, ix, 96, 258).
Lariophagus utibilis, Tuck. (Hym. Pteromalid) - ? (A, iv, 143).
Meraporus requisitus, Tuck. (Hym. Pteromalid) - ? (A, iv, 143).
Pteromalus oryzae, Cam. (Hym. Pteromalid) - ? (A, iv, 143).
Pteromalus tritici, Gour. (Hym. Pteromalid) - ? (A, iv, 143).

Calandra oryzae, L. (Curculionid)
Aplastomorpha calandrae, How. (Hym. Pteromalid) - India (A, xxv, 530): Jamaica (A, xiv, 147): U.S.A. (A, ix, 182; xi, 301): Australia (A, iv, 110): ? (A, viii, 331).
Catolaccus incertus, Ashm. (Hym. Pteromalid) - U.S.A. (A, ix, 182).
Cephalonomia tarsalis, Ashm. (Hym. Bethylid) - U.S.A. (A, viii, 295; xviii, 285; Gahan, xix, 495).
Cerocephala elegans, Westw. (Hym. Pteromalid) - U.S.A. (A, ix, 182).
Chaetospila elegans, Westw. (Hym. Pteromalid) - Germany (A, xxi, 532): Hawaii (A, vii, 434): ? (A, x, 106).
Lariophagus distinguendus, Först. (Hym. Pteromalid) - Britain (A, x, 106): Germany (A, xxi, 532): Russia (A, xiv, 212, 393; Meier, xviii, 131): Yugoslavia (A, xx, 716): Korea (A, xxi, 149): ? (A, viii, 331; ix, 258).
Lariophagus utibilis, Tuck. (Hym. Pteromalid) - Argentina (Blanchard, A, xxv, 787): U.S.A. (A, ix, 182).
Meraporus requisitus, Tuck. (Hym. Pteromalid) - U.S.A. (A, ix, 182).
Pteromalus oryzae, Cam. (Hym. Pteromalid) - India (Ramakrishna Ayyar, A, xvi, 48; Ramakrishna Ayyar & Margabandu, xxiii, 209).
Spalangiomorpha fasciatipennis, Gir. (Hym. Pteromalid) - Australia (A, iv, 110).

Calendra - See Sphenophorus

Callidium sp. (Cerambycid)
Ephialtes manifestator, L. (Hym. Ichneumonid) - France (A, v, 484).

Callidium aeneum, DeG. (variabile, L.) (Cerambycid)
Doryctes obliteratus, Nees (Hym. Braconid) - Russia (Meier, A, xvi, 200)
Xorides nitens, Gr. (Hym. Ichneumonid) - France (Seyrig, A, xii, 253).
Xylonomus filiformis, Grav. (Hym. Ichneumonid) - Europe (Fahringer, A, x, 497).
Xylonomus praecatorius, F. (Hym. Ichneumonid) - Europe (Fahringer, A, x, 497).

Callidium sanguineum, L. (Cerambycid)
Doryctes gallicus, Reinh. (Hym. Braconid) - Russia (Meier, A, xvi, 200).
Pyracmon xoridiformis, Hlgr. (Hym. Ichneumonid) - France (Seyrig, A, xii, 253).
Spathius rubidus, Rossi (Hym. Braconid) - France (Seyrig, A, xii, 253).
Xorides nitens, Gr. (Hym. Ichneumonid) - France (Seyrig, A, xii, 253).

Xylonomus praecatorius, F. (Hym. Ichneumonid) - France (Seyrig, A, xii, 253).

Callidium variabile, L. - See C. aeneum, DeG.

Callosobruchus - See Bruchus

Calopepla leayana, Latr. (Cassidid)
Brachymeria sp. (Hym. Chalcid) - Burma (A, xxiii, 210; xxiv, 242).

Calosoma calidum, F. (Carabid)
Biomyia georgiae, B. & B. (Dipt. Tachinid) - U.S.A. (A, i, 402; Balduf, xxiv, 154).
Eubiomyia calosomae, Coq. (Dipt. Tachinid) - N. America (A, v, 9): U. S. A. (A, viii, 184).

Calosoma frigidum, Kby. (Carabid)
Eubiomyia calosomae, Coq. (Dipt. Tachinid) - U.S.A. (A, viii, 184).

Calosoma inquisitor, L. (Carabid)
Phaenoserphus viator, Hal. (Hym. Proctotrupid) - Germany (Balduf, A, xxiv, 154).

Calosoma peregrinator, Guér. (Carabid)
Biomyia georgiae, B. & B. (Dipt. Tachinid) - America (A, i, 402): U.S.A. (Balduf, A, xxiv, 154).

Calosoma sycophanta, L. (Carabid)
Biomyia georgiae, B. & B. (Dipt. Tachinid) - Canada (A, i, 402): U.S.A. (A, iii, 715).
Eubiomyia calosomae, Coq. (Dipt. Tachinid) - U.S.A. (A, viii, 184).

Calvia quatuordecimguttata, L. (Coccinellid)
Phalacrotophora fasciata, Fall. (Dipt. Phorid) - Britain (A, xx, 454).

Camptorhinus mangiferae, Mshl. (Curculionid)
Spathius festinans, Wlk. (Hym. Braconid) - India (Beeson & Chatterjee, A, xxiv, 197).

Carabus cancellatus, Ill. (Carabid)
Viviania cinerea, Fall. (Dipt. Tachinid) - Europe (Baer, A, ix, 61, 252; Balduf, xxiv, 154).

Carabus clathratus, L. (Carabid)
Viviania cinerea, Fall. (Dipt. Tachinid) - Europe (Baer, A, ix, 61, 252; Balduf, xxiv, 154).

Carabus coriaceus, L. (Carabid)
Viviania cinerea, Fall. (Dipt. Tachinid) - Europe (Baer, A, ix, 61, 252; Balduf, xxiv, 154).

Carabus gemmatus, L. (Carabid)
Viviania cinerea, Fall. (Dipt. Tachinid) - Europe (Baer, A, ix, 61, 252; Balduf, xxiv, 154).

Carabus glabratus, Payk. (Carabid)

Viviania cinerea, Fall. (Dipt. Tachinid) - Europe (Baer, A, ix, 61, 252; Balduf, xxiv, 154).

Carabus hortensis, L. (Carabid)
Viviania cinerea, Fall. (Dipt. Tachinid) - Europe (Baer, A, ix, 61, 252; Balduf, xxiv, 154).

Carabus scheidleri, Pz. (Carabid)
Freraea denudata, Zett. (Dipt. Tachinid) - Europe (Baer, A, ix, 61, 252).

Carabus violaceus, L. (Carabid)
Viviania cinerea, Fall. (Dipt. Tachinid) - Europe (Baer, A, ix, 61, 252; Balduf, xxiv, 154).

Carphoborus minimus, F. (Scolytid)
Coeloides bostrychorum, Giraud (Hym. Braconid) - Austria (Schimitschek, A, xxiv, 340).
Coeloides scolyticida melanostigma, Strand (Hym. Braconid) - Austria (Schimitschek, A, xxiv, 340).
Dendrosoter hartigii, Ratz. (Hym. Braconid) - Czechoslovakia (Kolubajiv, A, xxiii, 229).
Spathius brevicaudis, Ratz. (Hym. Braconid) - Czechoslovakia (Kolubajiv, A, xxiii, 229).

Carpophilus sp. ? (Nitidulid)
Zeteticontus abilis, Silv. (Hym. Encyrtid) - Eritrea (A, iii, 433).

Carpophilus obsoletus, Er. (Nitidulid)
Aplastomorpha calandrae, How. (Hym. Pteromalid) - Formosa (A, xvii, 110).

Caryoborus gonagra, F. See Pachymerus

Cassida sp. (Cassidid)
Pimpla alternans, Grav. (Hym. Ichneumonid) - Russia (Romanova, A, xix, 563).

Cassida filaginis, Perr. (Cassidid)
Cirrospilus orsedice, Walk. (Hym. Eulophid) - ? (Masi, A, xviii, 367).

Cassida nebulosa, L. (Cassidid)
Brachymeria punctulata, Först. (Hym. Chalcid) - Rumania (A, xxv, 732).
Entedon cassidarum, Ratz. (Hym. Eulophid) - Russia (Meier, A, xviii, 131).
Entedon ovulorum, Ratz. (Hym. Eulophid) - Russia (Meier, A, xviii, 131).
Tetrastichus bruzzonis, Masi (Hym. Eulophid) - Germany (A, xxi, 526).
Tetrastichus cassidarum, Ratz. (Hym. Eulophid) - Rumania (A, xxv, 732).
Tetrastichus rhosaces, Wlk. (Hym. Eulophid) - Poland (A, xix, 185): Rumania (A, xxv, 732).
Trichogramma evanescens, Westw. (Hym. Trichogrammid) - Rumania (A, xxv, 732).

Cassida nobilis, L. (Cassidid)
Brachymeria vitripennis, Först (Hym. Chalcid) - Italy (A, xxi, 267; xxii, 202; xxiii, 160; xxiv, 361).
Habrocytus sp. (Hym. Pteromalid) - Germany (A, xxi, 526).
Pseudoptilops nitida, Rond. (Dipt. Tachinid) - Germany (A, xxi, 526).
Tetrastichus bruzzonis, Masi (Hym. Eulophid) - Germany (A, xxi, 526): Italy (A, xx, 252; xxi, 267; xxii, 202; xxiii, 160; xxiv, 361).
Trichogramma evanescens, Westw. (Hym. Trichogrammid) - Italy (A, xxii, 202; xxiv, 361).

Cassida rubiginosa, Müll. (Cassidid)
Tetracampe galerucae, Jonsc. (Hym. Eulophid) - Europe (Girault, A, ii, 310).
Tetrastichus bruzzonis, Masi (Hym. Eulophid) - Germany (A, xxi, 526).

Cassida sanguinosa, Suffr. (Cassidid)
Entedon miser, Nees (Hym. Eulophid) ? (Masi, A, xviii, 367).

Cassida vibex, L. (Cassidid)
Tetrastichus bruzzonis, Masi (Hym. Eulophid) - Germany (A, xxi, 526).

Cassida viridis, L. (Cassidid)
Dionaea forcipata, Mg. (Dipt. Tachinid) - Europe (Baer, A, ix, 61, 252).

Cassida vittata, Villers (Cassidid)
Brachymeria vitripennis, Först. (Hym. Chalcid) - Italy (A, xviii, 561; xxii, 202; xxiii, 160; xxiv, 361).
Habrocytus sp. (Hym. Pteromalid) - Italy (A, xviii, 561).
Pseudoptilops nitida, Rond. (Dipt. Tachinid) - Germany (A, xxi, 526).
Tetrastichus bruzzonis, Masi (Hym. Eulophid) - Italy (A, xviii, 367, 561; xxi, 267; xxii, 202; xxiii, 160; xxiv, 361).
Trichogramma evanescens, Westw. (Hym. Trichogrammid) - Italy (A, xviii, 561; xxii, 202; xxiv, 361).

Caulophilus latinasus, Say (Curculionid)
Aplastomorpha calandrae, How. (Hym. Pteromalid) - U.S.A. (A, xi, 301, 481).
Cercocephala elegans, Westw. (Hym. Pteromalid) - U.S.A. (A, xi, 481).
Zatropis sp. (Hym. Pteromalid) - U.S.A. (A, xi, 481).

CERAMBYCID sp.
Brulleia shibuensis, Mats. (Hym. Braconid) China (Chu Joo-tso, A, xxiv, 105).
Iphiaulax immsi, Cam. (Hym. Braconid) - India (Beeson & Chatterjee, A, xxiv, 197).

Cerambyx cerdo, L. (Cerambycid)
Doryctes longicaudis, Giraud (Hym. Braconid) - France (A, xxiii, 627).
Tyndarichus rudnevi, Nowicki (Hym. Encyrtid) - Russia (A, xvi, 609; xvii, 147; xxiii, 535).

Cerambyx scopolii, Fussl. (Cerambycid)
Mesoleptus coxalis, Bris. (Hym. Ichneumonid) - Russia (Meier, A, xvi, 200).

Ceratomegilla fuscilabris, Muls. (Coccinellid)
Dinocampus coccinellae, Schr. (Hym. Braconid) - U.S.A. (Balduf, A, xv, 137).

Cerotoma trifurcata, Först. (Galerucid)
Celatoria diabroticae, Shim. (Dipt. Tachinid) U.S.A. (A, iii, 453; xviii, 473; xix, 313).

Cetonia sp. (Cetoniid)
Scolia bifasciata, Swed. (Hym. Scoliid) - Europe (A, vi, 344; Jepson, xxiv, 785).

Cetonia aurata, L. (Cetoniid)
Billaea pectinata, Mg. (Dipt. Tachinid) - Europe (Baer, A, ix, 61, 252).
Scolia hirta, Schr. (Hym. Scoliid) - Palaearctic (Betrem, A, xvii, 248; Jepson, xxiv, 785).

Ceuthorrhynchus assimilis, Payk. (Curculionid)
Perilitus melanopus, Ruthe (Hym. Braconid) - Germany (Speyer, A, xiii, 203).
Platygaster sp. (Hym. Platygasterid) - Germany (A, x, 262).
Trichomalus fasciatus, Thoms. (Hym. Pteromalid) - Germany (A, ix, 605; x, 464; xii, 25).

Ceuthorrhynchus pleurostigma, Marsh.
Diospilus oleraceus, Hal. (Hym. Braconid) - Europe (Fahringer, A, x, 497): England (A, x, 241): Germany (A, xii, 26): ? (A, ix, 547).
Perilitus melanopus, Ruthe (Hym. Braconid) - Germany (Speyer, A, xiii, 203).
Thersilochus truncorum, Marsh. (Hym. Ichneumonid) - Europe (Fahringer, A, x, 497).

Ceuthorrhynchus quadridens, Panz. (Curculionid)
Angitia fenestralis, Hlgr. (Hym. Ichneumonid) - Russia (Meier, A, xvi, 200).
Microbracon discoideus, Wesm. (Hym. Braconid) - Russia (Meier, A, xvi, 200).
Perilitus melanopus, Ruthe (Hym. Braconid) - Germany (A, xiii, 203).

Ceuthorrhynchus ruebsaameni, Kolbe (Curculionid)
Diospilus oleraceus, Hal. (Hym. Braconid) - Germany (A, x, 261; xii, 26; Speyer, xiii, 203): ? (A, ix, 547).

Ceuthorrhynchus sulcicollis, Thoms. See C. pleurostigma, Marsh.

Chaetoptelius vestitus, Muls. & Rey (Scolytid)
Cerocephala cornigera, Westw. (Hym. Pteromalid) - Italy (A, xv, 202).
Cheiropachys colon, L. (Hym. Cleonymid) - Italy (A, xv, 202).

Eurytoma masii, Rus. (Hym. Eurytomid) - Sicily (A, xv, 202).

Chalcodermus aeneus, Boh. (Curculionid)
Euloewia globosa, Tns. (Dipt. Tachinid) - U.S.A. (A, xxiii, 414).

Chalcodermus bondari, Mshl. (Curculionid)
Urosigalphus chalcodermi, Wlkn. (Hym. Braconid) - Brazil (A, xix, 173).

Chalcophora angulicollis, Lec. (Buprestid)
Xorides catomus, Davis (Hym. Ichneumonid) - U.S.A. (Rohwer, A, viii, 417).

Cheilomenes sexmaculata, F. - See Chilomenes

Chelymorpha cassidea, F. (Cassidid)
Emersonella niveipes, Gir. (Hym. Chalcid) - U.S.A. (A, xii, 218).
Masicera exilis, Coq. (Dipt. Tachinid) - U.S.A. (A, xii, 218).

Chilocorus bipustulatus, L. (Coccinellid)
Homalotylus flaminius, Dalm. (Hym. Encyrtid) - Europe (A, iv, 50): Italy (A, vi, 35): Palestine (A, xxv, 333).
Phalacrotophora fasciata, Fall. (Dipt. Phorid) - Italy (A, xv, 507).
Pseudocatolaccus sp. (Hym. Pteromalid) - Russia (A, xxiv, 676).
Tetrastichus epilachnae, Giard (Hym. Eulophid) - Europe (A, iv, 50): Italy (A, vi, 35): Morocco (A, xx, 451).

Chilocorus kuwanae, Silv. (Coccinellid)
Homalotylus flaminius, Dalm. (Hym. Encyrtid) - Japan (Ishii, A, xviii, 258; xx, 247, 458; xxv, 304).

Chilocorus similis, Rossi (Coccinellid)
Isodromus niger, Ashm. (Hym. Encyrtid) - Formosa (Timberlake, A, vii, 523).

Chilomenes lunata, F. (Coccinellid)
Dinocampus sp. (Hym. Braconid) - U.S.A. (A, ii, 153).
Homalotylus sp. (Hym. Encyrtid) - U.S.A. (A, ii, 153).
Homalotylus flaminius, Dalm. (Hym. Encyrtid) - French W. Africa (A, xiii, 390).
Pachyneuron sp. (Hym. Pteromalid) - French W. Africa (A, xiii, 390).
Tetrastichus sp. (Hym. Eulophid) - French W. Africa (A, xiii, 390).

Chilomenes sexmaculata, F. (Coccinellid)
Homalotylus terminalis californicus, Gir. (Hym. Encyrtid) - U.S.A. (A, iii, 724; Timberlake, vii, 523).

Chlorophorus annularis, F. (Cerambycid)
Doryctes bistriatus, Kieff. (Hym. Braconid) - Tonkin (A, ix, 510).
Doryctes brevipetiolus, Kieff. (Hym. Braconid) - Tonkin (A, ix, 510).
Doryctes picticeps, Kieff. (Hym. Braconid) - Tonkin (A, ix, 510).
Doryctes strioliger, Kieff. (Hym. Braconid) - Cochin China (Beeson & Chatterjee, A, xxiv, 197): Indo-China (A, xiii, 291): Tonkin (A, ix, 510).
Doryctes tristriatus, Kieff. (Hym. Braconid) - Tonkin (A, ix, 510).
Duportia cincticornis, Kieff. (Hym. Braconid) - Tonkin (A, ix, 510).

Eurytoma xylotrechi, Ferr. (Hym. Eurytomid) - Indo-China (A, xxi, 263).
Paraglypta tubigera, Kieff. (Hym. Ichneumonid) - Tonkin (A, ix, 510).
Promiscolus sequistriatus, Kieff. (Hym. Braconid) - Tonkin (A, ix, 510).
Sclerodermus domesticus, Latr. (Hym. Bethylid) - Indo-China (A, xiii, 291): Tonkin (A, ix, 510).

Chramesus sp. (Scolytid)
Doryctes maculipennis, Rohw. (Hym. Braconid) - U.S.A. (A, vii, 442).

Chrysobothris sp. (Buprestid)
Ephialtes irritator, F. (Hym. Ichneumonid) - U.S.A. (A, x, 457).
Trigonura ruficaudis, Cam. (Hym. Chalcid) - India (A, x, 573).
Trigonura tenuicaudis, Wtstn. (Hym. Chalcid) - India (A, x, 573).

Chrysobothris femorata, Ol. (Buprestid)
Horismenus sp. (Hym. Eulophid) - U.S.A. (A, xiii, 565).
Labena apicalis, Cr. (Hym. Ichneumonid) - U.S.A. (A, viii, 190).
Labena confusa minor, Rohw. (Hym. Ichneumonid) - U.S.A. (A, viii, 417).
Labena grallator, Say (Hym. Ichneumonid) - U.S.A. (A, viii, 190; Rohwer, viii, 417).
Microbracon charus, Riley (Hym. Braconid) - U.S.A. (A, viii, 190).
Microbracon pectinatus, Say (Hym. Braconid) - U.S.A. (A, viii, 190).
Phasgonophora sulcata, Westw. (Hym. Chalcid) - U.S.A. (A, viii, 190).
Spathius pallidus, Ashm. (Hym. Braconid) - U.S.A. (A, viii, 190).
Xorides calidus, Prov. (Hym. Ichneumonid) - U.S.A. (Rohwer, A, viii, 417).

Chrysobothris mali, Horn (Buprestid)
Cryptohelcostizus rufigaster, Cushm. (Hym. Ichneumonid) - U.S.A. (A, vii, 376).
Trigonura californica, Rohw. (Hym. Chalcid) - U.S.A. (A, xvii, 313).

Chrysobothris sexnotata, Gory (Buprestid)
Platybracon javensis, Rohw. (Hym. Braconid) - Java (A, vii, 104).

Chrysobothris solieri, Lap. (Buprestid)
Atanycolus sculpturatus, Thom. (Hym. Braconid) - France (A, vi, 476).

Chrysobothris tranquebarica, Gmel. (Buprestid)
Atanycolus labena, Rohw. (Hym. Braconid) - U.S.A. (A, vii, 265).
Atanycolus rugosiventris, Ashm. (Hym. Braconid) - U.S.A. (A, vii, 265).

Chrysomela varians, Schaller (Chrysomelid)
Macquartia chalconota, Mg. (Dipt. Tachinid) - Europe (Baer, A, ix, 61, 252): England (Collins, Ent. Month. Mag., lxii, 62).
Macquartia praefica, Mg. (Dipt. Tachinid) - Europe (Baer, A, ix, 61, 252).
Macquartia tenebricosa, Mg. (Dipt. Tachinid) - Britain (Wainwright, A, xvi, 480).

Meigenia bisignata, Mg. (Dipt. Tachinid) - Europe (Baer, A, ix, 61, 252).

Chrysophana placida, Lec. (Buprestid)
Oryssus sp. (Hym. Tenthredinid) - U.S.A. (A, vi, 550).

Cicindela purpurea, Oliv. (Cicindelid)
Proctacanthus milberti, Macq. (Dipt. Asilid) - Canada (Balduf, A, xxiv, 154).

Cicindela scutellaris lecontei, Hald. (Cicindelid)
Spogostylum anale, Say (Dipt. Bombyliid) - ? (Balduf, A, xxiv, 154)

Cionus sp. (Curculionid)
Habrocytus cioni, Thoms. (Hym. Pteromalid) - Russia (A, iv, 165).

Cionus thapsi, F. (Curculionid)
Habrocytus cionicida, Licht. (Hym. Pteromalid) - France (A, x, 22).

Cis boleti, Scop. (Ciid)
Habrocytus sp (Hym. Pteromalid) - France (Falcoz, Bull. Soc. ent. France, 1924, p.223).

Cis micans, Gyll. (Ciid)
Astichus arithmeticus, Först. (Hym. Eulophid) - France (Falcoz, Bull. Soc. ent. France, 1924, p 223).

Cleonus mendicus, Gyll. (Curculionid)
Rondania dimidiata, Mg. (Dipt. Tachinid) - Italy (A, xvii, 633; xviii, 561; xix, 461; xxiv, 361)

Clerus formicarius, L. (Clerid)
Tryphon brunniventris exclamationis, Grav. (Hym. Ichneumonid) - Austria (Schimitschek, A, xxiv, 340).

Clyster itys, Oliv. (Dynastid)
Scolia humeralis, Sauss. (Hym. Scoliid) - Malaya (Jepson, A, xxiv, 785).

Clytanthus speciosus, Schn. (Cerambycid)
Doryctes leucogaster, Nees (Hym. Braconid) - Europe (Fahringer, A, x, 497).

Clytus arietis, L. (Cerambycid)
Aspidogonus diversicornis, Wesm (Hym. Braconid) - England (Lyle, Ent. Month. Mag., lix, 278, 1923).
Pyracmon austriacus, Tschek (Hym. Ichneumonid) - England (Lyle, Ent. Month. Mag., lx, 39-40, 1924).

Clytus glabromaculatus, Goeze - See C. pilosus, Först.

Clytus lama, Muls. (Cerambycid)
Ephialtes carbonarius, Christ. (Hym. Ichneumonid) - Austria

(Schimitschek, A, xvii, 207; xxiv, 340).

Clytus pilosus, Först. (Cerambycid)
Doryctes leucogaster, Nees (Hym. Braconid) - France (A, vii, 236; ix, 23).
Pristaulacus chlapovskii, Kieff. (Hym. Evaniid) - France (A, vi, 318; ix, 23).

Coccinella sp. (Coccinellid)
Phalacrotophora fasciata, Fall. (Dipt. Phorid) - Britain (A, xx, 454).

Coccinella bruckii, Muls. (Coccinellid)
Homalotylus flaminius, Dalm. (Hym. Encyrtid) - Japan (Ishii, A, xviii, 258).

Coccinella californica, Mann. (Coccinellid)
Perilitus coccinellae, Schrank. (Hym. Braconid) - U.S.A. (Muesebeck, A, xxiv, 818).

Coccinella kingi, MacL. (Coccinellid)
Homalotylus flaminius, Dalm. (Hym. Encyrtid) - Australia (Timberlake, A, vii, 523).

Coccinella repanda, Thunb. (Coccinellid)
Homalotylus flaminius, Dalm. (Hym. Encyrtid) - Australia (Timberlake, A, vii, 523).

Coccinella novemnotata, Hbst. (Coccinellid)
Dinocampus coccinellae, Schr. (Hym. Braconid) - U.S.A. (Balduf, A, xv, 137).
Dinocampus terminatus, Nees (Hym. Braconid) - U.S.A. (A, ii, 131).
Homalotylus terminalis californicus, Gir. (Hym. Encyrtid) - U.S.A. (Timberlake, A, vii, 523).

Coccinella quinquepunctata, L. (Coccinellid)
Dinocampus perilitus terminatus, Nees (Hym. Braconid) - Germany (Stich, A, xvii, 460).
Homalotylus terminalis californicus, Gir. (Hym. Encyrtid) - U.S.A. (Timberlake, A, vii, 523).

Coccinella sanguinea, L. (Coccinellid)
Dinocampus coccinellae, Schr. (Hym. Braconid) - U.S.A. (A, xv, 137).

Coccinella septempunctata, L. (Coccinellid)
Aphiochaeta fasciata, Fall. (Dipt. Phorid) - France (A, vi, 71; ix, 445): Italy (A, ii, 150).
Dinocampus coccinellae, Schr. (Hym. Braconid) - Russia (A, xxiii, 336).
Dinocampus terminatus, Nees (Hym. Braconid) - Germany and Rumania (Stich, A, xvii, 460): Russia (A, i, 457): Sweden (A, iv, 509).
Homalotylus flaminius, Dalm. (Hym. Encyrtid) - Russia (A, i, 456).
Phalacrotophora fasciata, Fall. (Dipt. Phorid) - Italy (A, xv, 507).
Tetrastichus coccinellae, Kurd. (Hym. Eulophid) - Russia (A, i, 456).

Coccinella septempunctata brucki, Muls. (Coccinellid)
Homalotylus flaminius, Dalm. (Hym. Encyrtid) - Japan (A, xx, 458; xxv, 304).

Coccinella undecimpunctata, L. (Coccinellid)
Dinocampus coccinellae, Schr. (Hym. Braconid) - Europe, N. America, and New Zealand (Gourlay, A, xviii, 428, 653).
Dinocampus terminatus, Nees (Hym. Braconid) - Germany (Stich, A, xvii, 460).

COCCINELLID sp.
Homalotylus flaminius, Dalm. (Encyrtid) — India (Ramakrishna Ayyar, A, xxii, 380; Ramakrishna Ayyar & Margabandu, A, xxiii, 209).
Pleurotropis sp. (Hym. Eulophid) - Malaya (Corbett & Miller, A, xxi, 676).

Coccotorus scutellaris - See Anthonomus

Coelaenomenodera elaeidis, Maulik (Hispid)
Achrysocharis leptocerus, Wtstn. (Hym. Eulophid) - Gold Coast (A, xiii, 350,421).
Closterocerus africanus, Wtstn. (Hym. Eulophid) - Gold Coast (A, xiii, 350, 421).
Cotterellia podagrica, Wtstn. (Hym. Eulophid) - Gold Coast (A, xiii, 350, 421).
Dimmockia aburiana, Wtstn. (Hym. Eulophid) - Gold Coast (A, xiii, 350, 421).

Coeliodes fuliginosus, Marsh. (Curculionid)
Thersilochus moderator, L. (Hym. Ichneumonid) - Russia (Meier, A, xviii, 131; iii, 638).
Thersilochus triangularis, Grav. (Hym. Ichneumonid) - Russia (Meier, A, xviii, 131).

Coeliodes inaequalis, Say (Curculionid)
Anaphoidea conotracheli Gir. (Hym. Mymarid) - U.S.A. (A, vii, 150; ix, 284).
Microbracon mellitor, Say (Hym. Braconid) - U.S.A. (A, vii, 150).
Stiboscopus brooksi, Ashm. (Hym. Ichneumonid) - U.S.A. (A, vii, 150).
Triaspis curculionis, Fitch (Hym. Braconid) - U.S.A. (A, vii, 150).

Coeliodes ruber, Marsh. (Curculionid)
Thersilochus coeliodicola, Silv. (Hym. Ichneumonid) - Italy (A, vi, 77).

Coelophora inaequalis, F. (Coccinellid)
Dinocampus terminatus, Nees (Hym. Braconid) - Hawaii (A, vi, 351).

Colaspidema atrum, Ol. (Chrysomelid)
Meigenia floralis, Mg. (Dipt. Tachinid) - France (A, vi, 171; vii, 456; xiv, 116): ? (Genieys, A, xiii, 462).
Minella nitens, Zett. (Dipt. Tachinid) - France (A, xiv, 116).

Coleomegilla sp. (Coccinellid)
Homalotylus terminalis, Say (Hym. Encyrtid) - U.S.A. (Timberlake, A, vii, 523).

Compsus auricephalus, Say (Curculionid)
Tetrastichus compsivorus, Crwf. (Hym. Eulophid) - U.S.A. (A, iii, 249).

Conchyloctenia punctata, F. (Cassidid)
Tetrastichus ovivorus, Crwf. (Hym. Eulophid) - Uganda (A, vi, 51).

Conotrachelus affinis, Boh. (Curculionid)
Cholomyia longipes, F. (Dipt. Tachinid) - U.S.A. (A, xi, 482).
Euloewia globosa, Towns. (Dipt. Tachinid) - U.S.A. (A, xi, 482).
Microgaster sp. (Hym. Braconid) - U.S.A. (A, xi, 482).
Triaspis curculionis rufus, Riley (Hym. Braconid) - U.S.A. (A, xi, 482).

Conotrachelus anaglypticus, Say (Curculionid)
Euloewia globosa, Towns. (Dipt. Tachinid) - U.S.A. (A, xii, 543).
Thersilochus conotracheli, Riley (Hym. Ichneumonid) - U.S.A. (A, xii, 543).

Conotrachelus aratus, Germ. (Curculionid)
Chaetochlorops inquilina, Coq. (Dipt. Chloropid) - U.S.A. (A, xi, 482).
Cholomyia longipes, F. (Dipt. Tachinid) - U.S.A. (A, xi, 482).
Euloewia globosa, Towns. (Dipt. Tachinid) - U.S.A. (A, xi, 482).

Conotrachelus juglandis, Lec. (Curculionid)
Chaetochlorops inquilina, Coq. (Dipt. Chloropid) - U.S.A. (A, xi, 483).
Cholomyia inaequipes, Big. (Dipt. Tachinid) - U.S.A. (A, xi, 483).
Cholomyia longipes, F. (Dipt. Tachinid) - U.S.A. (A, xi, 483).
Metadexia basalis, G.-T. (Dipt. Tachinid) - U.S.A. (A, xi, 483).
Myiophasia aenea, Wied. (Dipt. Tachinid) - U.S.A. (A, xi, 483).
Triaspis curculionis, Fitch (Hym. Braconid) - U.S.A. (A, xi, 483).

Conotrachelus nenuphar, Hbst. (Curculionid)
Anaphoidea conotracheli, Gir. (Hym. Mymarid) - U.S.A. (A, vii, 150; xvii, 525; xviii, 279; xix, 68, 121; xxi, 48).
Anisocyrta sp. (Hym. Braconid) - U.S.A. (Garman & Zappe, A, xvii, 525).
Catolaccus sp. (Hym. Pteromalid) - U.S.A. (Garman & Zappe, A, xvii, 525).
Cholomyia inaequipes, Big. (Dipt. Tachinid) - ? (Garman & Zappe, A, xvii, 525).
Cholomyia longipes, F. (Dipt. Tachinid) - U.S.A. (A, xix, 68).
Eupelmus sp. (Hym. Eupelmid) - U.S.A. (Garman & Zappe, A, xvii, 525).
Eurytoma sp. (Hym. Eurytomid) - U.S.A. (Garman & Zappe, A, xvii, 525).
Microbracon hebetor, Say (Hym. Braconid) - U.S.A. (Garman & Zappe, A, xvii, 525).
Microbracon lixi, Ashm. (Hym. Braconid) - U.S.A. (Garman & Zappe, A, xvii, 525)
Microbracon mellitor, Say (Hym. Braconid) - U.S.A. (Garman & Zappe, A, xvii, 525).
Myiophasia aenea, Wied. (Dipt. Tachinid) - N. & S. America (Garman & Zappe, A, xvii, 525).

Myiophasia globosa, Towns, (Dipt. Tachinid) U.S.A (A, xix, 68).
Pimpla sp. (Hym. Ichneumonid) - U.S.A. (Garman & Zappe, A, xvii, 525).
Thersilochus conotracheli, Riley (Hym. Ichneumonid) - Canada (Treherne, A, iv, 527): U.S.A. (A, iv, 477; Garman & Zappe, xvii, 525; xxi, 48).
Triaspis curculionis, Fitch (Hym. Braconid) - U.S.A. (A, xvii, 525, 607; xviii, 275; xix, 68, 121; xxi, 48).
Triaspis curculionis rufus, Riley (Hym. Braconid) - U.S.A. (A, xix, 68).

Conotrachelus retentus, Say (Curculionid)
Belyta sp. (Hym. Belytid) - U.S.A. (A, xi, 482).
Chaetochlorops inquilina, Coq. (Dipt. Chloropid) U.S.A. (A, xi, 482).
Fannia canicularis, L. (Dipt. Anthomyiid) - U.S.A. (A, xi, 482)
Thersilochus conotracheli, Riley (Hym. Ichneumonid) - U.S.A. (A, xi, 482).
Triaspis curculionis rufus, Riley (Hym. Braconid) - U.S.A. (A, xi, 482).

Coptops aedificator, F. (Cerambycid)
Sclerodermus immigrans, Bridw. (Hym. Bethylid) - Hawaii (A, viii, 435).

Coraebus fasciatus, Vill. (Buprestid)
Polymoria iberica, Bol. (Hym. Eupelmid) - Spain (A, xi, 327)

Cosmopolites sordidus, Germ. (Curculionid)
Ceromasia sphenophori, Vill (Dipt. Tachinid) - Dutch E. Indies (Leefmans, A, xviii, 456).

Cotinis nitida, L. - See Allorrhina

Craponius inaequalis, Say - See Coeliodes

Creophilus maxillosus, L. (Staphylinid)
Exallonyx ater, Nees (Hym. Proctotrupid) - England (Bayford, Ent Month. Mag., lx, 233, 1924)
Proctotrupes ater, Nees (Hym Proctotrupid) ? (Balduf, A, xxiv, 154).

Crepidodera atriventris, Melsh. (Halticid)
Microctonus epitricis, Vier (Hym. Braconid) - U.S.A. (A, xiv, 537).

Criocephalus rusticus, L. (Cerambycid)
Odontomerus pinetorum, Thoms. (Hym. Ichneumonid) - Austria (Schimitschek, A, xxiv, 340).

Crioceris sp. (Criocerid)
Meigenia floralis, Fall. (Dipt. Tachinid) - ? (Genieys, A, xiii, 462)

Crioceris asparagi, L. (Criocerid)
Meigenia floralis, Fall. (Dipt. Tachinid) - Europe (Baer, A, ix, 61, 252): France (A, vi, 171; vii, 461; xiv, 116).
Myiobia pumila, Macq. (Dipt. Tachinid) - Europe (Baer, A, ix, 61, 252).
Tetrastichus asparagi, Crwf. (Hym Eulophid) - France (A, vii, 234,

461): Canada (A, iv, 50, 517; Treherne (A, iv, 527; v, 331): U.S.A. (A, i, 15; iii, 621; vi, 214; x, 332; xx, 465).

Crioceris duodecimpunctata, L. (Criocerid)
Tetrastichus asparagi, Crwf. (Hym. Eulophid) - U.S.A. (A, x, 332).

Crioceris quatuordecimpunctata, Scop. (Criocerid)
Meigenia floralis, Fall. (Dipt. Tachinid) - Europe (Baer, A, ix, 61, 252).

Cryphalus abietis, Ratz. (Scolytid)
Pteromalus bidentis, Ratz. (Hym. Pteromalid) - Britain (Hanson, A, xxv, 644).

Cryphalus piceae, Ratz. (Scolytid)
Dinotus clypealis, Thoms. (Hym. Pteromalid) - Poland (A, xix, 241).
Ecphylus hattorii, K.&W.(Hym. Braconid) - Japan (A, xxiv, 244).

Cryptocephalus bipunctatus, L. (Cryptocephalid)
Pygostolus falcatus, Nees (Hym. Braconid) - France (Stich, A, xvii, 460).

Cryptognatha nodiceps, Mshl. (Coccinellid)
Tripolycystus cryptognathae, Gir. (Hym. Pteromalid) - Trinidad (Girault, A, viii, 521).

Cryptolaemus montrouzieri, Muls. (Coccinellid)
Pseudocatolaccus sp. (Hym. Pteromalid) - Russia (A, xxiv, 676).

Cryptolestes pusillus, Schonh. (Cucujid)
Dibrachys cavus, Wlk. (Hym. Pteromalid) - U.S.A. (A, xix, 118).

Cryptorrhynchus gravis, F. (Curculionid)
Flavopimpla mangae, Betrem (Hym. Ichneumonid)-Java (A, xxi, 272).

Cryptorrhynchus lapathi, L. (Curculionid)
Ephialtes tuberculatus, Fourc. (Hym. Ichneumonid) - Japan (Uchida, A, xvii, 191).
Microbracon cryptorhynchi, Mues. (Hym. Braconid) - U.S.A. (A, xix, 578).
Perilissus pallidus, Grav. (Hym. Ichneumonid) - Latvia (Ozols, A, xvii, 55).
Perosis annulata, Bris. (Hym. Ichneumonid) - Latvia (Ozols, A, xvii, 55).
Pimpla roborator, F. (Hym. Ichneumonid) - Dalmatia, France, Italy, Sweden, Japan, Persia, Canada, Guam (Chu (Joo-tso) & Hsia (Shen-hsiu), A, xxv, 508).

Curculio - See also Balaninus

Curculio auriger, Casey (Curculionid)
Myiophasia aenea, Wied. (Dipt. Tachinid) - U.S.A. (A, xviii, 112).
Urosigalphus armatus, Ashm. (Hym. Braconid) - U.S.A. (A, xviii, 112).

Curculio caryae, Horn (Curculionid)
Myiophasia aenea, Wied. (Dipt. Tachinid) - U.S.A. (A, xx, 608).
Sarcophaga sima, Aldr. (Dipt. Sarcophagid) - U.S.A. (A, xx, 608).
Winthemia rufopicta, Big. (Dipt. Tachinid) - U.S.A. (A, xx, 608).

Curculio elephas, Gyll. (Curculionid)
Sigalphus sculpturatus, Szep. (Hym. Braconid) - Italy (A, xvii, 492).

Curculio proboscideus, F. (Curculionid)
Myiophasia aenea, Wied. (Dipt. Tachinid) - U.S.A. (A, xviii, 112).
Urosigalphus armatus, Ashm. (Hym. Braconid) - U.S.A. (A, xviii, 112).
Winthemia quadripustulata, F. (Dipt. Tachinid) - U.S.A. (A, xviii, 112).

Curculio pyrrhoceras, Marsh. (Curculionid)
Microbracon discoideus, Wesm. (Hym. Braconid) - Europe (Thorpe, A, xix, 29).

CURCULIONID sp.
Gymnodexia atkinsoni, Bar. (Dipt. Tachinid) - Burma (Beeson & Chatterjee, A, xxiv, 197).

Curius dentatus, Newm. (Cerambycid)
Xorides calidus, Prov. (Hym. Ichneumonid) - U.S.A. (Rohwer, A, viii, 417).

Cybister sp. (Dytiscid)
Prestwichia aquatica, Lubb. (Hym. Trichogrammid) - Russia (Meier, A, xviii, 131).

Cybocephalus sp. (Nitidulid)
Aphanogmus sp. (Hym. Calliceratid) - Japan (A, xxv, 304).

Cycloneda sp. (Coccinellid)
Homalotylus terminalis, Say (Hym. Encyrtid) - Trinidad (Myers, A, xix, 627).

Cycloneda sanguinea, L. (Coccinellid)
Dinocampus terminatus, Nees (Hym. Braconid) - U.S.A. (A, ii, 131).
Homalotylus sp. (Hym. Encyrtid) - Porto Rico (A, viii, 303).
Homalotylus terminalis, Say (Hym. Encyrtid) - U.S.A. (Miller, A, xviii, 371): Porto Rico (A, xxi, 251).
Lepidaphycus bosqui, Blanch. (Hym. Encyrtid) - Argentina (Blanchard, A, xxv, 787).
Tetrastichus blepyri, Ashm. (Hym. Eulophid) - U.S.A. (Miller, A, xviii, 371).

Cycloneda sanguinea immaculata, F. (Coccinellid)
Homalotylus terminalis, Say (Hym. Encyrtid) - U.S.A. (A, xvi, 269).
Tetrastichus blepyri, Ashm. (Hym. Eulophid) - U.S.A. (A, xvi, 269).

Cydonia lunata - See Chilomenes

Cylas formicarius, F. (Curculionid)
Microbracon cylasovorus, Rohw. (Hym. Braconid) - Philippines (A, xiv, 5)

Microdus cylasovorus, Rohw. (Hym. Braconid) - Philippines (A, xiv, 5).

Cylas turcipennis, Boh. (Curculionid)
Microbracon cylasovorus, Rohw. (Hym. Braconid) - Philippines (A, xi, 351).
Microdus cylasovorus, Rohw. (Hym. Braconid) - Philippines (A, xi, 351).

Cyllene caryae, Gr. (Cerambicid)
Doryctes radiatus, Gir. (Hym. Braconid) - U.S.A. (A, x, 140).
Microbracon erythrogaster, Brulle (Hym. Braconid) - U.S.A. (A, x, 140).

Cyllene pictus, Horn (Cerambycid)
Ephialtes irritator, F. (Hym. Ichneumonid) - U.S.A. (A, x, 457).

Dasygnathus sp. (Dynastid)
Rutilia sp. (Dipt. Tachinid) - Australia (A, xvii, 241).
Rutilia inornata, G. & M. (Dipt. Tachinid) - Queensland (Illingworth, A, x, 615).
Rutilia splendida, Don. (Dipt. Tachinid) - Queensland (Illingworth, A, x, 615).
Scolia soror, Sm. (Hym. Scoliid) - Australia (Betrem, A, xvii, 248; xiii, 172; Jepson, xxiv, 785).

Dasygnathus australis, Boisd. (Dynastid)
Campsomeris radula, F. (Hym. Scoliid) - Australia (Jepson, A, xxiv, 785).
Scolia soror, Sm. (Hym. Scoliid) - Australia (A, xvii, 240; Jepson, xxiv, 785).

Dasygnathus australis dejeani, Macl. (Dynastid)
Campsomeris radula, F. (Hym. Scoliid) - Australia (A, x, 523).

Dendroctonus jeffreyi, Hopk. (Scolytid)
Deretaphrus oregonensis, Horn (Col. Colydiid) - U.S.A. (A, vii, 381).

Dendroctonus micans, Klug. (Scolytid)
Dendrosoter middendorfi, Ratz. (Hym. Braconid) - Czechoslovakia (Kolubajiv, A, xxiii, 229).
Ephialtes extensor, L. (Hym. Ichneumonid) - Czechoslovakia (Kolubajiv, A, xxiii, 229).
Eurytoma sp. (Hym. Eurytomid) - Czechoslovakia (Kolubajiv, A, xxiii, 229).
Rhopalicus maculifer, Först. (Hym. Pteromalid) - Czechoslovakia (A, xxiii, 229).

Dendroctonus monticolae, Hopk. (Scolytid)
Cecidostiba acuta, Prov. (Hym. Pteromalid) - U.S.A. (A, xxii, 343).
Cecidostiba dendroctoni, Ashm. (Hym. Pteromalid) - U.S.A. (A, xxii, 343).
Coeloides dendroctoni, Cush. (Hym. Braconid) - U.S.A. (A, xix, 579; xxii, 343, 691; xxiii, 387; xxiv, 184).
Deretaphrus oregonensis, Horn (Col. Colydiid) - U.S.A. (A, vii, 381).
Rhopalicus pulchripennis, Crwf. (Hym. Pteromalid) - U.S.A. (A, xxii, 343).

Rhoptrocerus eccoptogastri, Ratz. (Hym. Pteromalid) - U.S.A. (A, xxii, 343).

Dendroctonus piceaperda, Hopk. (Scolytid)
Cerobracon secundus, D.T. (Hym. Braconid) - Canada (A, xvi, 573).
Medeterus vanduzeei, Curr. (Dipt. Dolichopodid) - Canada (A, xvi, 573).
Microbracon simplex, Cress. (Hym. Braconid) - U.S.A. (Boutin, A, xiv, 525).

Dendroctonus pseudotsugae, Hopk. (Scolytid)
Cecidostiba dendroctoni, Ashm. (Hym. Pteromalid) - U.S.A. (A, xxv, 624).
Coeloides brunneri, Vier. (Hym. Braconid) - U.S.A. (A, xxii, 97, xxv, 624).
Medeterus aldrichi, Wheeler (Dipt. Dolichopodid) - U.S.A. (A, xxv, 624).
Rhoptrocerus eccoptogastri, Ratz. (Hym. Pteromalid) - U.S.A. (A, xxv,624).

Dermestes lardarius, L. (Dermestid)
Mydaea uliginosa, Fall. (Dipt. Anthomyiid) - France (A, xiii, 399).

Desmoris fulvus, Lec. (Curculionid)
Callimome albitarse, Huber (Hym. Torymid) - U.S.A. (A, xviii, 414).
Eupelmus cyaniceps var. amicus, Gir. (Hym. Eupelmid) - (A, xxi, 471)
Eurytoma sp. (Hym. Eurytomid) - U.S.A. (A, xix, 492).
Microbracon mellitor, Say (Hym. Braconid) - U.S.A. (A, xix, 492; xxi, 471).
Trimeromicrus maculatus, Gahan (Hym. Pteromalid) - U.S.A. (A, xxi, 471).
Zatropis incertus, Ashm. (Hym. Pteromalid) - U.S.A. (A, xix, 492).

Diabrotica duodecimpunctata, F. (Galerucid)
Celatoria diabroticae, Shim. (Dipt. Tachinid) - U.S.A. (A, xiv, 451; xvii, 529, 620).

Diabrotica melanocephala, F. (Galerucid)
Celatoria diabroticae, Shim. (Dipt. Tachinid) - U.S.A. (A, vi, 459; Chittenden, vii, 521; xi, 369; Poos, xvii, 88): ? (A, ii, 272).
Chaetophleps setosa, Coq. (Dipt. Tachinid) - U.S.A. (Chittenden, A, vii, 521; xi, 369; xiv, 352; xv, 139, xvi, 321; xxv, 720).
Neocelatoria ferox, Walt. (Dipt. Tachinid) - U.S.A. (A, ii, 272).
Senotainia trilineata, Wulp. (Dipt. Tachinid) - U.S.A. (A, xv, 139).
Syrrhizus diabroticae, Gahan (Hym. Braconid) - U.S.A. (A, x, 363; xiv, 352).

Diabrotica soror, Lec. (Galerucid)
Celatoria diabroticae, Shim. (Dipt. Tachinid) - U.S.A. (A, iv, 69).

Diabrotica vittata, F. - See D. melanocephala, F.

Diamerus sp. (Scolytid)
Spathius elaboratus, Wlkn. (Hym. Braconid) - India (Beeson & Chatterjee, A, xxiv, 197).

Diamerus curvifer, Walk. (Scolytid)
Spathius elaboratus, Wlkn. (Hym. Braconid) India (Beeson & Chatterjee, A, xxiv, 197).

Diaprepes sp. (Curculionid)
Ceromasia sphenophori, Vill. (Dipt. Tachinid) - Brazil (A, xi, 24).
Tetrastichus haitiensis, Gahan (Hym. Eulophid) - St. Lucia (A, xxv, 83).
Ufens osborni, Dozier (Hym. Trichogrammid) - St. Lucia (A, xxv, 83).

Diaprepes abbreviatus, L. (Curculionid)
Horismenus sp. (Hym. Eulophid) - Porto Rico (Wolcott, A, xxii, 65, 539).
Tetrastichus haitiensis, Gahan (Hym. Eulophid) - Barbados (A, xxii, 699; xxiv, 606): Barbados & Porto Rico (Moutia, A, xxiii, 243): Haiti (Myers, A, xxiii, 499): Porto Rico (Wolcott, A, xxii, 65, 155, 539; xxiii, 113).
Ufens osborni, Dozier (Hym. Trichogrammid) - Barbados (A, xxiv, 606): Barbados & Porto Rico (Moutia , A, xxiii, 243): Haiti (A, xx, 353): Porto Rico (Wolcott, A, xxii, 65, 539; Myers, xxiii, 499).

Diaprepes quadrivittatus, Ol. (Curculionid)
Tetrastichus haitiensis, Gahan (Hym. Eulophid) - Haiti (A, xvii, 279, 310).

Diapus furtivus, Samps. (Platypodid)
Monacon productum, Wtstn. (Hym. Perilampid) - India (A, x, 573)

Dicerca divaricata, Say (Buprestid)
Hemistephanus sp. (Hym. Evaniid) - U.S.A. (A, x, 457).

Dihammus cervinus, Hope (Cerambycid)
Iphiaulax sp. (Hym. Braconid) - Assam and India (Beeson & Chatterjee, A, xxiv, 197).

Dinoderus sp. (Bostrychid)
Metapelma indica, Gir. (Hym. Eupelmid) - India (Ramakrishna Ayyar, A, ix, 214).
Sbeitla furax, Wlkn. (Hym. Braconid) - India (Beeson & Chatterjee, A, xxiv, 197).
Spathius sp. (Hym. Braconid) - India (Ramakrishna Ayyar, A, xvi, 48; Ramakrishna Ayyar & Margabandu, xxiii, 209).
Spathius vulnificus, Wlkn. (Hym. Braconid) - India and Assam (Beeson & Chatterjee, A, xxiv, 197).

Dinoderus brevis, Horn (Bostrychid)
Spathius bisignatus, Wlk. (Hym. Braconid) - India, Ceylon, Phillippines, Rodrigues Is. (Beeson & Chatterjee, A, xxiv, 197).

Dinoderus minutus, F. (Bostrychid)
Cerocephala dinoderi, Gahan (Hym. Pteromalid) - Phillippines (A, xiii,432)
Spathius bisignatus, Walk. (Hym. Braconid) - India, Ceylon, Philippines, Rodrigues Is. (Beeson & Chatterjee, A, xxiv, 197): Philippines (A, xiii, 432).

Dinoderus ocellaris, Steph. (Bostrychid)
Spathius bisignatus, Walk. (Hym. Braconid) - India, Ceylon, Philippines & Rodriguez Is. (Beeson & Chatterjee, A, xxiv, 197).

Disonycha sp. (Halticid)
Homalotylus terminalis californicus, Gir. (Hym. Encyrtid) - U.S.A. (Timberlake, A, vii, 523).

Donacia sp. (Donaciid)
Melittobia acasta, Walk. (Hym. Eulophid) - England (Balfour-Browne, A, xi, 108).

Donacia simplex, F. (Donaciid)
Trichogramma evanescens, Westw. (Hym. Trichogrammid) - Germany (Hase, A, xiii, 587): ? (A, v, 451).

Dorcatoma chrysomelina, Sturm (Anobiid)
Diaparsis rufipes, Hlgr. (Hym. Ichneumonid) - France (Falcoz, Bull. Soc. ent. France, 1926, 131).

Dorcatoma dresdensis, Hbst. (Anobiid)
Diospilus melanoscelus, Nees (Hym. Braconid) - Germany (Schutze & Roman, A, xix, 239).
Taphaeus sp. (Hym. Braconid) - Germany (Schutze & Roman, A, xix, 239).

Dorcus parallelepipedus, L. (Lucanid)
Myiocera ferina, Fall. (Dipt. Tachinid) - Europe (Baer, A, ix, 61, 252).

Doryscelis calcarata, Kl. (Cetoniid)
Scolia iridicolor, Sm. (Hym. Scoliid) - Ethiopia (Betrem, A, xvii, 248; Jepson, xxiv, 785).

Dorysthenes forficatus, F. (Prionid)
Muscina stabulans, Fall. (Dipt. Muscid) - Morocco (A, xxv, 357).

Dryocoetes autographus, Ratz. (Scolytid)
Cosmophorus klugi, Ratz. (Hym. Braconid) - Austria (Schimitschek, A, xxiv, 340).
Pteromalus suspensus, Ratz. (Hym. Pteromalid) - Austria (Schimitschek, A, xxiv, 340; xxv, 642).

Dyscinetus sp. (Dynastid)
Tiphia parallela, Sm. (Hym. Scoliid) - Br. Guiana (Jepson, A, xxiv, 785).

Dyscinetus bidentatus, Burm. (Dynastid)
Tiphia parallela, Sm. (Hym. Scoliid) - Br. Guiana (A, v, 148, 534; xv, 409; xxi, 616; Moutia, xxiii, 243; Jepson, xxiv, 785).

Dyscinetus geminatus, F. (Dynastid)
Tiphia parallela, Sm. (Hym. Scoliid) - Br. Guiana (A, xv, 409; Jepson, xxiv, 785).

Dytiscus sp. (Dytiscid)
Anaphes cinctus, Hal. (Hym. Mymarid) Russia (Meier, A, xviii, 131).
Anaphes dytiscidarum, Rims.-Kors. (Hym. Mymarid) - ? (Balduf, A, xxiv, 154).
Caraphractus cinctus, Hal. (Hym. Mymarid) - Russia (A, v, 297, 511): ? (Balduf, A, xxiv, 154).
Caraphractus reductus, Rims.-Kors. (Hym. Mymarid) - Russia (A, xiii, 144).

Mestocharis sp. (Hym. Eulophid) - Russia (A, v, 511).
Mestocharis cyclospila, Först. (Hym. Eulophid) - ? (Balduf, A, xxiv, 154).
Prestwichia aquatica, Lubb. (Hym. Trichogrammid) - Russia (A, ix, 555; Meier, xviii, 131): ? (Balduf, A, xxiv, 154).

Dytiscus marginalis, L. (Dytiscid)
Prestwichia aquatica, Lubb. (Hym. Trichogrammid) - Europe (Girault, A, ii, 310).

Eccoptogaster - See Scolytus

Echocerus cornutus, F. - See Gnathocerus

Elaphidion villosum, F. (Cerambycid)
Odontobracon elaphidiovorus, Rohw. (Hym. Braconid) - U.S.A. (Rohwer, A, v, 404).

Elater segetis, Bjerk. - See Agriotes lineatus, L.

Eleodes sp. (Tenebrionid)
Sarcophaga eleodis, Aldr. (Dipt. Sarcophagid) - U.S.A. (Knowlton & Janes, A, xix, 629).

Eleodes extricata, Say (Tenebrionid)
Eleodiphaga caffreyi, Walton (Dipt. Tachinid) - U.S.A. (A, vi, 549; xvi, 21).
Microctonus eleodis, Vier. (Hym. Braconid) - U.S.A. (Muesebeck, A, xxiv, 818).
Perilitus eleodis, Vier. (Hym. Braconid) - U.S.A. (A, xvi, 21).
Sarcophaga eleodis, Aldr. (Dipt. Sarcophagid) - ? (A, xiii, 258).

Eleodes fusiformis, Lec. (Tenebrionid)
Sarcophaga eleodis, Aldr. (Dipt. Sarcophagid) - ? (A, xiii, 258).

Eleodes hispilabrus, Say (Tenebrionid)
Eleodiphaga pollinosa, Walton (Dipt. Tachinid) - U.S.A. (A, vi, 549).
Microctonus eleodis, Vier. (Hym. Braconid) - U.S.A. (Muesebeck, A, xxiv, 818).
Perilitus eleodis, Vier. (Hym. Braconid) - U.S.A. (A, xvi, 21).
Sarcophaga sp. (Dipt. Sarcophagid) - U.S.A. (A, vi, 307).
Sarcophaga eleodis, Aldr. (Dipt. Sarcophagid) - ? (A, xiii, 258).

Eleodes obsoleta, Say (Tenebrionid)
Eleodiphaga caffreyi, Walton (Dipt. Tachinid) - U.S.A. (A, vi, 549).
Microctonus eleodis, Vier. (Hym. Braconid) - U.S.A. (Muesebeck, A, xxiv, 818).
Sarcophaga sp. (Dipt. Sarcophagid) - U.S.A. (A, vi, 307).
Sarcophaga eleodis, Aldr. (Dipt. Sarcophagid) - U.S.A. (A, vi, 312): ? (A, xiii, 258).

Eleodes opaca, Say (Tenebrionid)
Microctonus eleodis, Vier. (Hym. Braconid) - U.S.A. (Muesebeck, A, xxiv, 818).
Perilitus eleodis, Vier. (Hym. Braconid) - U.S.A. (A, vii, 281; xi, 449).

Sarcophaga eleodis, Aldr. (Dipt. Sarcophagid) - U.S.A. (A, xi, 449).

Eleodes suturalis, Say (Tenebrionid)
Microctonus eleodis, Vier. (Hym. Braconid) - U.S.A. (Muesebeck, A, xxiv, 818).
Perilitus sp. (Hym. Braconid) - U.S.A. (A, vi, 307).
Perilitus eleodis, Vier. (Hym. Braconid) - U.S.A. (A, xii, 215).

Eleodes tricostata, Say (Tenebrionid)
Biomyia eleodivora, Walton (Dipt. Tachinid) - U.S.A. (A, vi, 549).
Microctonus eleodis, Vier. (Hym. Braconid) - U.S.A. (Muesebeck, A, xxiv, 818).
Perilitus eleodis, Vier. (Hym. Braconid) - U.S.A. (A, vi, 307).
Sarcophaga sp. (Dipt. Sarcophagid) - U.S.A. (A, vi, 307).
Sarcophaga eleodis, Aldr. (Dipt. Sarcophagid) - ? (A, xiii, 258).

Eleodes vandykei, Blaisdell (Tenebrionid)
Microctonus eleodis, Vier. (Hym. Braconid) - U.S.A. (Muesebeck, A, xxiv, 818).

Embaphion muricatum, Say (Tenebrionid)
Microctonus eleodis, Vier. (Hym. Braconid) - U.S.A. (Muesebeck, A, xxiv, 818).
Perilitus eleodis, Vier. (Hym. Braconid) - U.S.A. (A, x, 112).

Embaphion planum, Horn (Tenebrionid)
Microctonus eleodis, Vier. (Hym. Braconid) - U.S.A. (Muesebeck, A, xxiv, 818).

Enaria sp. (Melolonthid)
Campsomeris minutalis, Bradley (Hym. Scoliid) - Madagascar (Jepson, A, xxiv, 785).
Campsomeris pilosella, Sauss. (Hym. Scoliid) - Madagascar (A, xxi, 644).

Encya sp. (Melolonthid)
Campsomeris pfeifferae, Sauss. (Hym. Scoliid) - Ethiopia (Betrem, A, xvii, 248): Madagascar-Mauritius (Jepson, A, xxiv, 785).

Endelus bakeri, Kerr. (Buprestid)
Pleurotropis anomala, Gahan (Hym. Eulophid) - Philippines (Gahan, A, ix, 282).

Epicometis hirta, Poda (Cetoniid)
Scolia quadripunctata, F. (Hym. Scoliid) - Palaearctic (Betrem, A, xvii, 248; Jepson, xxiv, 785).
Tiphia femorata, F. (Hym. Scoliid) - Russia (A, ii, 259; Jepson, xxiv, 785).

Epicometis hirtella, L. - See E. hirta, Poda

Epicauta erythrocephala, Pall. (Meloid)
Anthrax jazykovi, Param. (Dipt. Bombyliid) - Central Asia (A, xxiv, 595).

Epilachna sp. (Coccinellid)
Pleurotropis epilachnae, Rohw. (Hym. Eulophid) - India (A, ix, 136; Ramakrishna Ayyar, x, 183; xiii, 645; xvi, 48; Ramakrishna Ayyar & Margabandu, xxiii, 209).
Pleurotropis foveolatus, Crwf. (Hym. Eulophid) - India (Ramakrishna Ayyar, A, x, 183; xiii, 645; xvi, 48; Ramakrishna Ayyar & Margabandu, xxiii, 209).

Epilachna argus, Geoffr. (Coccinellid)
Tetrastichus epilachnae, Giard (Hym. Eulophid) - France (Falcoz, A, xii, 145).

Epilachna chrysomelina, F. (Coccinellid)
Tetrastichus ovulorum, Ferr. (Hym. Eulophid) - Sierra Leone (A, xviii, 425).

Epilachna corrupta, Muls. - See E. varivestis, Muls.

Epilachna defecta, Muls. (Coccinellid)
Paradexodes epilachnae, Aldr. (Dipt. Tachinid) - Mexico (A, xxiv, 299).

Epilachna indica, Muls. (Coccinellid)
Tetrastichus sp. (Hym. Eulophid) - Malaya (Corbett & Miller, A, xxi, 676).

Epilachna varivestis, Muls. (Coccinellid)
Exoristoides slossonae, Coq. (Dipt. Tachinid) - U.S.A. (Aldrich, A, xx, 568).
Hyalomyodes triangulifera, Loew (Dipt. Tachinid) - U.S.A. (Howard & Landis, A, xxv, 417).
Megaselia sp. (Dipt. Phorid) - U.S.A. (Howard & Landis, A, xxv, 417).
Nemorilla maculosa, Mg. (Dipt. Tachinid) - U.S.A. (A, xxii, 348; Howard & Landis, xxv, 417).
Paradexodes epilachnae, Aldr. (Dipt. Tachinid) - Mexico (A, xi, 344; xii, 165; xiii, 127; xvi, 398; xxiv, 299; Howard & Landis, xxv, 417): U.S.A. (A, xii, 165; Howard & English, xiii, 26, 127; xiv, 151; xx, 215).
Phorocera claripennis, Macq. (Dipt. Tachinid) - U.S.A. (Howard & English, A, xiii, 26; xiv, 151; Howard & Landis, xxv, 417).
Phorocera doryphorae, Riley (Dipt. Tachinid) - U.S.A. (Howard & Landis, A, xxv, 417).
Sarcophaga latisterna, Park. (Dipt. Sarcophagid) - U.S.A. (Howard & Landis, A, xxv, 417).
Sarcophaga rapax, Walk. (Dipt. Sarcophagid) - U.S.A. (Howard & English, A, xiii, 26; Howard & Landis, xxv, 417).
Sarcophaga reinhardi, Hall (Dipt. Sarcophagid) - U.S.A. (Howard & Landis, A, xxv, 417).
Synaldis sp. (Hym. Braconid) - U.S.A. (Howard & Landis, A, xxv, 417).
Tachinid sp. (Dipt.) - U.S.A. (Howard & Landis, A, xxv, 417).

Epilachna vigintioctopunctata, F. (Coccinellid)
Mestocharis lividus, Gir. (Hym. Eulophid) - Australia (A, iv, 110).
Stomatoceras colliscutellum, Gir. (Hym. Chalcid) - Australia (A, xvi, 631).
Tetrastichus ovulorum, Ferr. (Hym. Eulophid) - India (A, xxi, 209).

Epitrix cucumeris, Harris (Halticid)
Microctonus epitricis, Vier. (Hym. Braconid) - U.S.A. (Muesebeck, A, xxiv, 818).

Epitrix parvula, F. (Halticid)
Microctonus epitricis, Vier. (Hym. Braconid) - U.S.A. (Muesebeck, A, xxiv, 818).

Erethistes lateralis, Boh. (Curculionid)
Prodecatoma cruzi, Costa Lima (Hym. Eurytomid) - Brazil (A, iii, 306).

Eriopis connexa, Germ. (Coccinellid)
Lepidaphycus bosqui, Blanch. (Hym. Encyrtid) - Argentina (Blanchard, A, xxv, 787).

Ernobius abietis, F. (Anobiid)
Baeacis abietis, Ratz. (Hym. Braconid) - Germany (A, ix, 607): Poland (A, xviii, 323).
Coeloides strobilorum, Ratz. (Hym. Braconid) - Germany (A, ix, 607).
Microbracon pineti, Thoms. (Hym. Braconid) - Austria (Schimitschek, A, xxiv, 340).

Ernobius nigrinus, Strm. (Anobiid)
Glabrobracon variator, Nees (Hym. Braconid) - Czechoslovakia (Kolubajiv, A, xxiii, 229).

Euchlora sp. (Rutelid)
Campsomeris leefmansi, Betrm. (Hym. Scoliid) - Oriental Region (Betrem, A, xvii, 248; Jepson, xxiv, 785).
Campsomeris limbata, Sauss. (Hym. Scoliid) - Java (Jepson, A, xxiv, 785).
Campsomeris quadrifasciata, F. (Hym. Scoliid) - Banka Is. (Jepson, A, xxiv, 785).
Campsomeris thoracica aureicollis, Lep. (Hym. Scoliid) - Dutch E. Indies (Leefmans, A, ix, 45).

Euchlora pulchripes, Lansb. (Rutelid)
Campsomeris annulata, F. (Hym. Scoliid) - Java (Jepson, A, xxiv, 785).
Campsomeris coelebs, Sich. (Hym. Scoliid) - Dutch E. Indies (Leefmans, A, xviii, 456).
Campsomeris javana, Lep. (Hym. Scoliid) - Java (Jepson, A, xxiv, 785).
Campsomeris quadrifasciata, F. (Hym. Scoliid) - Java (Jepson, A, xxiv, 785).

Euchlora viridis, F. (Rutelid)
Campsomeris coelebs, Sich. (Hym. Scoliid) - Dutch E. Indies (Leefmans, A, xviii, 456).
Campsomeris quadrifasciata fimbriata, Burm. (Hym. Scoliid) - East Java (Jepson, A, xxiv, 785).

Campsomeris quadriguttulata, Burm. (Hym. Scoliid) - East Java ? (Jepson, A, xxiv, 785).
Tiphia sp. (Hym. Scoliid) - Dutch E. Indies (Jepson, A, xxiv, 785).

Euetheola rugiceps, Lec. (Dynastid)
Microphthalma disjuncta, Wied. (Dipt. Tachinid) - U.S.A. (A, xx, 636)
Sarcophaga rapax, Wlk. (Dipt. Sarcophagid) - U.S.A. (A, xx, 636).

Eulechriops gossypii, Barber (Curculionid)
Urosigalphus eulechriopis, Cushm (Hym Braconid) - Peru (A, xiv, 251).

Eulepida mashona, Arrow (Melolonthid)
Campsomeris coelebs, Sich. (Hym Scoliid) - S. Rhodesia (A, xxiii, 446).

Eumorphus marginatus, F. (Endomychid)
Arrhinodexia eumorphophaga, Bar. (Dipt. Tachinid) - Malaya (Corbett & Miller, A, xxi, 676; Baranov, xxii, 555).

Eupogonius vestitus, Say (Lamiid)
Agonocryptus discoidaloides, Vier (Hym. Ichneumonid) U.S.A. (Cushman, A, xvii, 303).

Euthyrrhinus meditabundus, F. (Curculionid)
Brachymeria euthyrrhini, Dodd (Hym. Chalcid) - Australia (A, ix, 393, 394).
Thaumasura curculionis, Gir. (Hym Cleonymid) - Australia (A, ix, 393).
Thaumasura pavo, Gir. (Hym. Cleonymid) - Australia (A, ix, 393).

Exocentrus sp. (Lamiid)
Calosota sp. (Hym. Eupelmid) - Spain (A, xi, 578)

Exocentrus punctipennis, Muls. (Lamiid)
Baeacis intermedia, Först. (Hym. Braconid) - France (Falcoz, A, xii, 145).

Exochomus nigromaculatus, Gz. (Coccinellid)
Dinocampus sp. (Hym. Braconid) - U.S.A. (A, ii, 153).
Homalotylus sp. (Hym. Encyrtid) - U.S.A. (A, ii, 153).

Exophthalmus quadrivittatus, Ol. - See Diaprepes

Fidia viticida, Walsh (Eumolpid)
Fidiobia flavipes, Ashm. (Hym. Platygasterid) - U.S.A. (Fouts, A, xii, 423).

Galerita sp. (Carabid)
Microctonus carabivorus, Mues. (Hym. Braconid) U.S.A. (Muesebeck, A, xxiv, 818).

Galeruca calmariensis, L. - See Galerucella luteola, Müll.

Galeruca semipullata, Clark (Galerucid)
Syntomosphyrum teiae, Gir. (Hym. Eulophid) - Australia (A, xii, 114).

Galerucella luteola, Mull. (Galerucid)
Anachaetopsis nitidula, Rond. (Dipt. Tachinid) - France - U.S.A. (A, xxiv, 294; xxv, 414).
Degeeria collaris, Fall. (Dipt. Tachinid) - Italy (A, viii, 432).
Erynnia nitida, R.-D. (Dipt. Tachinid) - Europe (Baer, A, ix, 61, 252): France - U.S.A. (A, xiv, 151).
Tetracampe galerucae, Fonsc. (Hym. Eulophid) - Europe (Girault, A, ii, 310).
Tetrastichus sp. (Hym. Eulophid) - U.S.A. (A, xxii, 356; xxv, 187, 414): Japan - U.S.A. (A, xxiii, 379).
Tetrastichus brevistigma, Gahan (Hym. Eulophid) - U.S.A. (A, xxiv, 499).
Tetrastichus xanthomelaenae, Rond. (Hym. Eulophid) - Europe (Girault, A, ii, 310): France (A, vii, 462): France - U.S.A. (A, vi, 23): Italy (A, xx, 580): Rumania (A, xxii, 557): U.S.A. (A, xv, 140; xxii, 356; xxiv, 294).

Galerucella maculicollis, Mots. (Galerucid)
Tetrastichus sp. (Hym. Eulophid) - Japan (A, xxv, 187).

Galerucella pruniella, Mull. (Galerucid)
Tetrastichus sp. (Hym. Eulophid) - U.S.A. (A, xxi, 344).

Galerucella viburni, Payk. (Galerucid)
Closterocerus sp. (Hym. Eulophid) - Russia (A, xx, 151).
Leiophron sp. (Hym. Braconid) - Russia (A, xx, 151)
Tetrastichus sp. (Hym. Eulophid) - Russia (A, xx, 151).
Tetrastichus ooctonus, Kawall. (Hym. Eulophid) - Germany (A, xxii, 346).

Gasterocercodes gossypii, Pierce (Curculionid)
Eurydinoteloides longiventris, Gahan (Hym. Pteromalid) - Brazil (A, xxv, 510).
Heterospilus annulicornis, Mues. (Hym. Braconid) - Brazil (A, xxv, 509).
Heterospilus gossypii, Mues. (Hym. Braconid) - Brazil (A, xxv, 509).
Heterospilus hambletoni, Mues. (Hym. Braconid) - Brazil (A, xxv, 509).

Gastrallus laevigatus, Ol. (Anobiid)
Cerocephala cornigera, Westw. (Hym. Pteromalid) - France (A, ix, 23).
Spathius pedestris, Wesm. (Hym. Braconid) - France (A, vii, 236).

Gastroidea cyanea, Melsh. (Chrysomelid)
Microctonus gastrophysae, Ashm. (Hym. Braconid) - U.S.A. (Muesebeck, A, xxiv, 818).

Gastroidea polygoni, L. (Chrysomelid)
Meigenia floralis, Mg. (Dipt. Tachinid) - France (A, xv, 203).
Microbracon fuscipennis, Wesm. (Hym. Braconid) - France (A, xv, 203).

Gastroidea viridula, DeG. (Chrysomelid)
Meigenia floralis, Fall. (Dipt. Tachinid) - Europe (Baer, A, ix, 31, 252): France (A, xv, 203).
Microbracon fuscipennis, Wesm. (Hym. Braconid) - France (A, xv, 203).
Microctonus gastrophysae, Ashm. (Hym. Braconid) - U.S.A. (Muesebeck, A, xxiv, 818).

Gaurotes excellens, Brancs (Cerambycid)
Ephialtes mesocentrus, Grav. (Hym. Ichneumonid) - Czechoslovakia (Kolubajiv, A, xxiii, 229).
Xylonomus praecatorius, F. (Hym. Ichneumonid) - Czechoslovakia (Kolubajiv, A, xxiii, 229).

Gerstaeckeria porosa, Lec. (Curculionid)
Tetrastichus gerstaeckeriae, Gahan (Hym. Eulophid) - U.S.A. (A, xxv, 14).

Gnathocerus cornutus, F. (Tenebrionid)
Sclerodermus immigrans, Bridw. (Hym. Bethylid) - Hawaii (A, viii, 435; xiv, 371).

Gonipterus sp. (Curculionid)
Anaphoidea nitens, Gir (Hym Mymarid) - S. Africa to Argentina (A, xx, 143).

Gonipterus scutellatus, Gyll. (Curculionid)
Anaphoidea sp. (Hym. Mymarid) - S. Africa (A, xx, 269).
Anaphoidea nitens, Gir. (Hym. Mymarid) - Australia (A, xviii, 426): Australia & New Zealand (Gourlay, A, xviii, 653): New Zealand (A, xviii, 426; xix, 447; xx, 45): New Zealand & S. Africa (A, xviii, 426): S. Africa (A, xix, 447; xxiii, 508).
Euderus viridis, Gir. (?) (Hym. Cleonymid) - Australia to Transvaal (A, xix, 447)

Gonocephalum seriatum, Boisd. (Tenebrionid)
Epyris extraneus, Bridw. (Hym. Bethylid) - Hawaii (A, vii, 435).

Gonophora taylori, Spaeth. (Hispid)
Pleurotropis parvulus, Ferr. (Hym. Eulophid) - Java (Taylor, A, xxv, 191).

Gonophora xanthomelana, Wied. (Hispid)
Pleurotropis parvulus, Ferr. (Hym. Eulophid) - Java (Taylor, A, xxv, 191).

Graphisurus fasciatus, DeG. (Lamiid)
Deuteroxorides vittifrons, Cress. (Hym. Ichneumonid) - U.S.A. (Rohwer, A, viii, 417).

Gymnetron asellus, Grav. (Curculionid)
Eurytoma curculionum, Mayr (Hym. Eurytomid) France (Faure, A, xi, 399, 471).

Gymnetron campanulae, L. (Curculionid)
Eurytoma curculionum, Mayr (Hym. Eurytomid) - France (Faure, A, xi, 399, 471).
Microbracon variator, Nees (Hym. Braconid) - Europe (Faure, A, xi, 399, 471).

Gymnetron teter, F. (Curculionid)
Microbracon variator, Nees (Hym. Braconid) Europe (Faure, A, xi, 399, 471).

Gyrinus sp. (Gyrinid)
Hemiteles hungerfordi, Cushm (Hym. Ichneumonid) - U.S.A. (Cushman, A, xviii, 115).

Haltica sp (Halticid)
Degeeria luctuosa, Mg. (Dipt. Tachinid) France (A, i, 173).
Perilitus brevicollis, Hal. (Hym. Braconid) - France (A, i, 173).

Haltica ampelophaga, Guer. (Halticid)
Arrhinomyia innoxia, Mg. (Dipt Tachinid) - Europe (Baer, A, ix, 61, 252).
Degeeria luctuosa, Mg. (Dipt. Tachinid) - France (A, v, 339; xv, 58; xix, 612).
Perilitus brevicollis, Hal. (Hym. Braconid) - France (A, v, 339)

Haltica bimarginata, Say (Halticid)
Hyalomyodes triangularis, Lw. (Dipt. Tachinid) - U.S.A. (A, vi, 242)

Haltica litigata, Fall. (Halticid)
Diospilus curticaudis, Gahan (Hym. Braconid) - U.S.A. (A, xv, 395).

Halyzia quatuordecimpunctata, L. (Coccinellid)
Dinocampus terminatus, Nees (Hym. Braconid) - Russia (A, i, 456).

Haplonyx tibialis, Lea (Curculionid)
Iphiaulax sp. (Hym. Braconid) - Australia (A, xii, 569)

Harpalus rufipes, DeG. (Carabid)
Freraea albipennis, Zett. (Dipt. Tachinid) - Europe (Baer, A, ix, 61, 252)
Weberia curvicauda, Fall. (Dipt. Tachinid) - Europe (Baer, A, ix, 61, 252).

Hargium inquisitor, L. See Rhagium

Hedobia sp. (Anobiid)
Calosota sp. (Hym. Eupelmid) - Spain (A, xi, 578).

Heptophylla picea, Mots. (Melolonthid)
Centeter cinerea, Aldr. (Dipt. Tachinid) - Japan (A, xxv, 572).

Hesperophanes fasciculatus, Fald. (Cerambycid)
Dinarmus regnieri, Masi (Hym. Miscogasterid) - Morocco (A, xxiii, 10).

Hesperophanes griseus, F. (Cerambycid)
Doryctes leucogaster, Nees (Hym. Braconid) - France (A, vi, 476)
Iphiaulax flavator, F. (Hym. Braconid) - France (A, vi, 476; vii, 268; ix, 23).
Sycophrurus hesperophanis, Pic. (Hym. Ichneumonid) - France (A, vii, 268; ix, 23).
Xylonomus propinquus, Tschek. (Hym. Ichneumonid) - France (A, vii, 268; viii, 37; ix, 23).

Heterobostrychus sp. (Bostrychid)
Sbeitla furax, Wlkn. (Hym. Braconid) - India (Beeson & Chatterjee, A, xxiv, 197).

Heteronychus sp. (Dynastid)
Campsomeris coelebs, Sich. (Hym. Scoliid) - Ethiopia (Betrem, A, xvii, 248): Madagascar (Jepson, A, xxiv, 785).

Heteronychus plebejus, Klug (Dynastid)
Campsomeris coelebs, Sich. (Hym. Scoliid) - Madagascar (Moutia, A, xxiii, 243).

Heteronyx frenchi, Blkb. See Lepidiota

Heterothops nigra, Kr. (Staphylinid)
Tetracampe sp. (Hym. Eulophid) - France (Falcoz, Bull. Soc. ent. France, 1924, 223).

Hippodamia convergens, Guér. (Coccinellid)
Dinocampus coccinellae, Schr. (Hym. Braconid) - U.S.A. (Balduf, A, xv, 137).
Dinocampus terminatus, Nees (Hym. Braconid) - U.S.A. (A, ii, 131).
Homalotylus terminalis californicus, Gir. (Hym. Encyrtid) - U.S.A. (Timberlake, A, vii, 523).
Perilitus coccinellae, Schr. (Hym. Braconid) - U.S.A. (Muesebeck, A, xxiv, 818).

Hippodamia convergens ambigua, Lec. (Coccinellid)
Dinocampus coccinellae, Schr. (Hym. Braconid) - U.S.A. (A, xvi, 570).

Hippodamia glacialis, F. (Coccinellid)
Dinocampus terminatus, Nees (Hym. Braconid) - U.S.A. (A, ii, 131).

Hippodamia parenthesis, Say (Coccinellid)
Dinocampus coccinellae, Schr. (Hym. Braconid) - U.S.A. (A, xv, 137).

Hippodamia tredecimpunctata, L. (Coccinellid)
Dinocampus coccinellae, Schr. (Hym. Braconid) - U.S.A. (A, xii, 423; Balduf, xv, 137).
Homalotylus flaminius, Dalm. (Hym. Encyrtid) - U.S.A. (A, xii, 423).
Pachyneuron sp. (Hym. Pteromalid) - U.S.A. (A, xii, 423).
Pachyneuron aphidivorum, Ashm. (Hym. Pteromalid) - U.S.A. (A, xii, 423).

Hispa similis, Uhm. (Hispid)
Microbracon hispae, Vier. (Hym. Braconid) - Formosa (A, xxv, 475).

Holotrichia - See Lachnosterna

Hoplocerambyx spinicornis, Newm. (Cerambycid)
Exobracon maculipennis, Cam. (Hym. Braconid) - India (Beeson & Chatterjee, A, xxiv, 197).

Hoplochelus sp. (Melolonthid)
Campsomeris erythrogaster, Dalm. (Hym. Scoliid) - Nossi-be (Jepson, A, xxiv, 785).
Campsomeris pilosella, Sauss. (Hym. Scoliid) - Madagascar-Mauritius (Jepson, A, xxiv, 785).
Tiphia parallela, Sm. (Hym. Scoliid) - Mauritius-Nossi-be (Jepson, A, xxiv, 785).

Hoplochelus gradaria, Waterh. (Melolonthid)
Campsomeris rodriguezensis, Bradley (Hym. Scoliid) - Rodriguez Is. (Jepson, A, xxiv, 785).

Hoplochelus rhizotrogoides, Blanch. (Melolonthid)
Campsomeris pilosella, Sauss. (Hym. Scoliid) - Madagascar (Moutia, A, xxiii, 243).

Hoplosternus sp. (Melolonthid)
Campsomeris prismatica, Sm. (Hym. Scoliid) - Malaya (A, xxv, 792).

Hylastes glabratus, Zett. (Scolytid)
Cosmophorus klugi, Ratz. (Hym. Braconid) - Austria (Schimitschek, A, xxiv, 340).
Pteromalus suspensus, Ratz. (Hym. Pteromalid) - Poland (A, xviii, 323).
Sigalphus atricornis, Ratz. (Hym. Braconid) - Austria (Schimitschek, A, xxiv, 340).

Hylastes palliatus, Gyll. (Scolytid)
Coeloides ungularis, Thoms. (Hym. Braconid) - Austria (Schimitschek, A, xxiv, 340).
Coeloides ungularis nigerrima, Fahr. (Hym. Braconid) - Austria (Schimitschek, A, xxiv, 340).

Hylastes rufipes, Eichh. (Scolytid)
Spathius canadensis, Ashm. (Hym. Braconid) - U.S.A. (A, xxv, 37, 718).

Hylecoetus dermestoides, L. (Lymexylonid)
Habritys brevicornis, Ratz. (Hym. Miscogasterid) - Germany (A, xi, 463).
Perniphora robusta, Ruschka (Hym. Cleonymid) - Germany (A, xi, 463).

Hylesinus crenatus, F. (Scolytid)
Microbracon stabilis, Wesm. (Hym. Braconid) - Poland (A, xviii, 323).

Hylesinus fraxini, Panz. (Scolytid)
Caenacis sp. (Hym. Pteromalid) - Russia (A, xxiv, 654).
Callimome bohemani, Thoms. (Hym. Torymid) - Russia (A, xxiv, 654).
Cerocephala cornigera, Westw. (Hym. Pteromalid) - Italy (A, xx, 319): Russia (A, iv, 143).
Cheiropachys colon, L. (Hym. Cleonymid) - Italy (A, xx, 319): Poland (A, xix, 241): Russia (Meier, A, xviii, 131; xxiv, 654).
Coeloides filiformis, Ratz. (Hym. Braconid) - Italy (A, xix, 621): Russia (Greze, A, xvii, 192).
Coeloides melanotus, Wesm. (Hym. Braconid) - Poland (A, xxii, 141): Russia (Greze, A, xvii, 192).

Dendrosoter protuberans, Nees (Hym. Braconid) - Italy (A, xix, 621; xx, 319): Russia (Greze, A, xvii, 192; Telenga, xxv, 703).
Dinotus bidentulus, Thoms. (Hym. Pteromalid) - Poland (A, xix, 241): Russia (A, xxiv, 654).
Eupelmus degeeri, Dalm. (Hym. Eupelmid) - Italy (A, xix, 621; xx, 319).
Eurytoma auricoma, Mayr (Hym. Eurytomid) - Russia (Meier, A, xviii, 131): ? (A, xviii, 323).
Eurytoma flavoscapularis, Ratz. (Hym. Eurytomid) - Italy (A, xix, 621).
Eurytoma ischioxanthos, Ratz. (Hym. Eurytomid) - Poland (A, xix, 241): Russia (A, xxiv, 654).
Eurytoma masii, Rus. (Hym. Eurytomid) - Italy (A, xv, 202; xx, 319).
Microbracon stabilis, Wesm. (Hym. Braconid) - Poland (A, xviii, 323).
Pteromalus fraxini, Ratz. (Hym. Pteromalid) - Italy (A, xix, 621):
Rhaphitelus ladenbergii, Ratz. (Hym. Pteromalid) - ? (A, xviii, 323).
Rhaphitelus maculatus, Walk. (Hym. Pteromalid) - Italy (A, xx, 319): Poland (A, xix, 241).
Spathius (?) exarator, L. (Hym. Braconid) - Italy (A, xx, 319).

Hylesinus oleiperda, F. (Scolytid)
Cerocephala cornigera, Westw. (Hym. Pteromalid) - Italy (A, xv, 202; xx, 319).
Cheiropachys colon, L. (Hym. Cleonymid) - Italy (A, xv, 202; xx, 318): Tuscany (A, xix, 621).
Ecphylus sp. (Hym. Braconid) - Italy (A, xx, 319).
Eupelmus degeeri, Dalm. (Hym. Eupelmid) - Italy (A, xx, 319).
Eurytoma masii, Rus. (Hym. Eurytomid) - Italy & Sicily (A, xv, 202; xx, 318).
Rhaphitelus maculatus, Walk. (Hym. Pteromalid) - Italy (A, xx, 318).

Hylesinus toranio, Bernh. (Scolytid)
Cheiropachys colon, L. (Hym. Cleonymid) - Czechoslovakia (Kolubajiv, A, xxiii, 229).

Hylesinus vestitus, Muls. & Rey (Scolytid)
Cerocephala cornigera, Westw. (Hym. Pteromalid) - Sicily (A, xiv, 614).
Cheiropachys colon, L. (Hym. Cleonymid) - Sicily (A, xiv, 614).
Dendrosoter sp. (Hym. Braconid) - Sicily (A, xiv, 614).
Ecphylus chaetoptelii, Gaut. & Russo (Hym. Braconid) - Sicily (A, xiv, 414, 614).
Epyris sp. (Hym. Bethylid) - Sicily (A, xiv, 614).
Eupelmus urozonus, Dalm. (Hym. Eupelmid) - Sicily (A, xiv, 614).
Eurytoma masii, Rus. (Hym. Eurytomid) - Sicily (A, xiv, 614).
Exothecus sp. (Hym. Braconid) - Sicily (A, xiv, 614).
Rhaphitelus maculatus, Walk. (Hym. Pteromalid) - Sicily (A, xiv, 614).
Sclerodermus sp. (Hym. Bethylid) - Sicily (A, xiv, 614).
Tetrastichus sp. (Hym. Eulophid) - Sicily (A, xiv, 614).

Hylobius abietis, L. (Curculionid)
Ephialtes tuberculatus, Fourc. (Hym. Ichneumonid) - Britain (A, viii, 380; xvi, 440): Latvia (A, xviii, 695).
Megaselia plurispinulosa, Zett. (Dipt. Phorid) - Sweden (A, xx, 55).
Mesostenus gladiator, Scop. (Hym. Ichneumonid) - Latvia (Ozols, A, xvii, 55; xviii, 695).
Microbracon sp. (Hym. Braconid) - England (A, vi, 115).

Microbracon hylobii, Ratz. (Hym. Braconid) – Britain (A, ii, 661; xvii, 440).

Hylotrupes bajulus, L. (Cerambycid)
Doryctes leucogaster, L. (Hym. Braconid) – Europe (Fahringer, A, x, 497): Russia (Meier, A, xvi, 200).
Rhoptrocentrus sp. (Hym Braconid) – Germany (A, xxii, 163).

Hylotrupes ligneus, F. (Cerambycid)
Deuteroxorides borealis, Cress. (Hym. Ichneumonid) – U.S.A. (Rohwer, A, viii, 417).

Hylurgops – See Hylastes

Hypera sp. (Curculionid)
Canidia quinqueangularis, Bris. (Hym. Ichneumonid) – Germany (Habermehl, A, xi, 365).

Hypera adspersus, F. (Curculionid)
Sympiesis sericeicornis, Nees (Hym. Eulophid) – Germany (Wagner, A, xix, 127).

Hypera meles, F. (Curculionid)
Habrocytus sp. (Hym. Pteromalid) – Czechoslovakia (Kolubajiv, A, xxiii, 229).
Microbracon sp. (Hym. Braconid) – U.S.A. (A, xii, 85).

Hypera murina. F. (Curculionid)
Adelognathus sp. (Hym. Ichneumonid) – Poland (A, xiii, 214).
Bathyplectes curculionis, Thoms. (Hym. Ichneumonid) – Russia (A, ii, 108).
Catolaccus ater, Ratz. (Hym. Pteromalid) – Russia (Meier, A, xviii, 131).
Dibrachoides dynastes, Först. (Hym. Pteromalid) – Russia (A, ii, 108; Meier, xviii, 131).
Eulophus sp. (Hym. Eulophid) – Russia (A, ii, 108)
Mesochorus nigripes, Ratz. (Hym. Ichneumonid) Poland (A, xiii, 214).
Pimpla maculator, F. (Hym. Ichneumonid) – Russia (A, ii, 108; Meier, xvi, 200).
Stenocryptus nigriventris, Thoms. (Hym. Ichneumonid) – Poland (A, xiii, 214).
Tetrastichus sp. (Hym. Eulophid) – Russia (A, ii, 108).

Hypera nigrirostris, F. (Curculionid)
Anaphes iole, Gir. (Hym. Mymarid) – U.S.A. (A, xiii, 85).
Anisia sp. (Dipt. Tachinid) – U.S.A. (A, xii, 85).
Bathyplectes exigua, Grav. (Hym. Ichneumonid) – U.S.A. (A, viii, 223; xii, 85; xiii, 85).
Dibrachoides dynastes, Först. (Hym. Pteromalid) – U.S.A. (A, viii, 223; xix, 65).
Microbracon sp. (Hym. Braconid) – U.S.A. (A, xii, 85; xiii, 85).
Microbracon mellitor, Say (Hym. Braconid) – U.S.A. (A, xiii, 85).
Microbracon lenuiceps, Mues. (Hym. Braconid) – U.S.A. (A, xiii, 411).
Microdus albicinctus, Ashm. (Hym. Braconid) – U.S.A. (A, xiii, 85).
Spilochalcis sp. (Hym. Chalcid) – U.S.A. (A, xiii, 85).

Hypera polygoni, L. (Curculionid)
Hemiteles albomarginatus, Bridgm. (Hym. Ichneumonid) - England (A, xix, 373).
Necremnus leucarthros, Nees (Hym. Eulophid) England (A, xix, 373).

Hypera postica, Gyll. See H. variabilis, Hbst.

Hypera punctata, F. (Curculionid)
Anaphes pratensis, Först (Hym. Mymarid) - U.S.A. (A, xix, 69; xxiii, 482).
Bathyplectes tristis, Grav. (Hym. Ichneumonid) - Europe to U.S.A. (Chamberlin, A, xii, 345; xiii, 47): U.S.A (A, xxv, 554).
Dibrachoides dynastes, Först. (Hym. Pteromalid) - France (A, xix, 65).

Hypera rumicis, L. (Curculionid)
Bathyplectes exigua, Grav. (Hym. Ichneumonid) - U.S.A. (A, xxi, 451).
Dibrachoides dynastes, Först (Hym. Pteromalid) - U.S.A. (A, xxi, 451).
Habrocytus sp. (Hym. Pteromalid) - U.S.A. (A, xxi, 451).
Necremnus sp. (Hym. Eulophid) - U.S.A. (A, xxi, 451).
Spilochalcis delumbis, Cress. (Hym Chalcid) — U.S.A. (A, xxi, 451).

Hypera variabilis, Hbst. (Curculionid).
Adelognathus sp. (Hym. Ichneumonid) - Poland (A, xiii, 214).
Aenoplegimorpha micator, Grav. (Hym. Ichneumonid) - Europe (Chamberlin, A, xii, 345): Italy (A, x, 239; xiii, 47).
Amblymerus sp. (Hym. Pteromalid) - U.S.A. (A, xxiv, 185).
Anaphes sp. (Hym Mymarid) - France (A, ii, 577)
Anaphoidea luna, Gir. (Hym Mymarid) - Europe (Girault, A, ii, 310; xii, 345; xiii, 47): U.S.A. (A, xii, 345): ? (A, iv, 55).
Bathyplectes anurus, Thoms. (Hym. Ichneumonid) - Russia (A, xxii, 336).
Bathyplectes corvina, Thoms (Hym. Ichneumonid) - Europe to U.S.A. (Chamberlin, A, xii, 345): U.S.A. (A, xxiv, 294).
Bathyplectes curculionis, Thoms (Hym. Ichneumonid) - Europe to U.S.A. (A, xii, 345; xiv, 289, 290): Europe (A, xiii, 512): France (A, ii, 577): Russia (Meier, A, xvi, 200; Yakhontov, xviii, 258; xxii, 336): U.S.A. (A, viii, 12; ix, 153, 461; xii, 237, 414; xiii, 124, 327; xiv, 578; xv, 303; xvi, 33; xxi, 413; xxii, 355; xxiii, 30, 106, 654).
Bathyplectes tristis, Grav. (Hym. Ichneumonid) - Europe to U.S.A. (Chamberlin, A, xii, 345; xiii, 47).
Catolaccus ater, Ratz. (Hym. Pteromalid) - Europe (A, xiii, 47).
Cryptus sp. (Hym. Ichneumonid) - Russia (A, xxii, 336).
Dibrachoides sp. (Hym. Pteromalid) - U.S.A. (A, xxiv, 185).
Dibrachoides dynastes, Först. (Hym. Pteromalid) - France (A, xix, 65): Europe to U.S.A. (A, xii, 345; xiii, 47): U.S.A. (A, xxii, 650).
Dinocampus coccinellae, Schr. (Hym. Braconid) - Russia (A, xxii, 336).
Eupelminus excavatus, Dalm. (Hym. Eupelmid) - Europe to U.S.A. (A, xii, 345).
Hemiteles graculus, Grav. (Hym. Ichneumonid) - Europe to U.S.A. (Chamberlin, A, xii, 345).
Hemiteles hemipterus, F. (Hym. Ichneumonid) - U.S.A (A, xvi, 152).
Mesochorus nigripes, Ratz. (Hym. Ichneumonid) - Poland (A, xiii, 214).
Necremnus leucarthros, Nees (Hym. Eulophid) — Europe (A, xiii, 47): France (A, xiii, 622).

Peridesmia sp. (Hym. Pteromalid) - U.S.A. (A, xxii, 651).
Peridesmia phytonomi, Gahan (Hym. Pteromalid) - Europe (Chamberlin, A, xiii, 47): U.S.A. (A, xii, 45; xxiv, 185, 294; xxv, 414).
Perilitus aethiops, Nees (Hym. Braconid) - Russia (A, xxii, 336).
Perilitus secalis, Hal. (Hym. Braconid) - Russia (A, xxii, 336).
Pimpla maculator, F. (Hym. Ichneumonid) - France (A, ii, 577): Europe to U.S.A. (Chamberlin, A, xii, 345; Chamberlin, xiii, 47).
Spilocryptus pumilus, Kriechb. (Hym. Ichneumonid) - Europe to U.S.A. (Chamberlin, A, xii, 345; Chamberlin, xiii, 47)
Spintherus sp. (Hym. Pteromalid) - Europe to U.S.A. (Chamberlin, A, xii, 345; Chamberlin, xiii, 47): U.S.A. (A, xxiv, 185)
Stenocryptus nigriventris, Thoms. (Hym Ichneumonid) - Poland (A, xiii, 214).
Tachina impotens, Rond. (Dipt. Tachinid) - ? (A, ix, 134).
Tetrastichus sp. (Hym. Eulophid) - Russia (A, xxii, 336)
Tetrastichus incertus, Ratz (Hym. Eulophid) - Europe (A, xiii, 47, 512; xiv, 289): U.S.A. (A, xxiv, 294; xxv, 414).

Hyperaspis bigeminata, Rand. (Coccinellid)
Anisotylus similis texanus, Timb. (Hym. Encyrtid) - U.S.A. (A, vii, 523).

Hyperaspis campestris, Hbst. (Coccinellid)
Homalotylus flaminius, Dalm. (Hym. Encyrtid) - Italy (A, viii, 122).

Hyperaspis lateralis, Muls. (Coccinellid)
Homalotylus sp. (Hym. Encyrtid) - U.S.A. (A, v, 266).

Hyperaspis osculans, Lec. (Coccinellid)
Homalotylus affinis, Timb. (Hym. Encyrtid) - U.S.A. (A, vii, 523).

Hyperaspis senegalensis, Muls. (Coccinellid)
Homalotylus flaminius, Dalm. (Hym. Encyrtid) - French W. Africa (A, xiii, 390).
Pachyneuron sp. (Hym. Pteromalid) - French W. Africa (A, xiii, 390).
Tetrastichus sp. (Hym. Eulophid) - French W. Africa (A, xiii, 390).

Hyperaspis trimaculata, L. (Coccinellid)
Homalotylus cockerelli, Timb. (Hym Encyrtid) - U.S.A. (A, vii, 523).

Hyperaspis undulata, Say (Coccinellid)
Homalotylus hyperaspidis, Timb. (Hym. Encyrtid) - U.S.A. (A, vii, 523).

Hypoborus ficus, Er. (Scolytid)
Dibrachys cavus, Wlk. (Hym. Pteromalid) - ? (Faure & Zolotarewsky, A, xiii, 593).
Dinarmus regnieri, Masi (Hym. Miscogasterid) - Morocco (A, xxiii, 10)
Ecphylus lavagnei, Pic. & Licht. (Hym. Braconid) - France (A, vi, 72, 328; ix, 23): Russia (A, xxiv, 654): Algeria (A, xv, 488; xx, 474).
Trichopria hypobori, Kieff. (Hym. Diapriid) - France (A, viii, 260; ix, 23; xxiii, 141).

Hypophloeus sp. (Tenebrionid)
Meteorus hypophloei, Cush. (Hym. Braconid) - U.S.A. (A, xix, 579).

Hypophloeus parallelus, Melsh. (Tenebrionid)
Meteorus hypophloei, Cush. (Hym. Braconid) - U.S.A. (A, xxi, 162).

Ilybius sp. (Dytiscid)
Caraphractus cinctus, Hal. (Hym. Mymarid) - Russia (Meier, A, xviii, 131).
Caraphractus reductus, Rim.-Kors. (Hym. Mymarid) Russia (Meier, A, xviii, 131).

Inesida leprosa, F. (Lamiid)
Stirostoma longicornis, Cam. (Hym. Braconid) - Belgian Congo (A, xvi, 333).

Ips acuminatus, Gyll. (Scolytid)
Dendrosoter flaviventris, Först. (Hym. Braconid) - Russia (Greze, A, xvii, 192).
Dinotus sp. (Hym. Pteromalid) - Russia (A, xxiv, 654).
Heydenia pretiosa, Först. (Hym. Cleonymid) - Russia (A, xxiv, 654).
Metacolus unifasciatus, Thoms. (Hym. Pteromalid) - Russia (A, xxiv, 654).
Rhoptrocerus brevicornis, Thoms. (Hym. Pteromalid) - Russia (A, xix, 49).
Rhoptrocerus xylophagorum, Ratz. (Hym. Pteromalid) - Russia (A, xxiv, 654): ?(A, xix, 49).
Spathius brevicaudis, Ratz (Hym. Braconid) - Russia (Greze, A, xvii, 192).

Ips amitinus, Eichh. (Scolytid)
Coeloides bostrychorum, Giraud (Hym. Braconid) - Poland (A, xviii, 323).
Dendrosoter middendorfi, Ratz. (Hym. Braconid) - Poland (A, xviii, 323).
Eustalocerus clavicornis, Wesm. (Hym. Braconid) - Austria (Schimitschek, A, xx, 48; xxiv, 340).
Hemiteles sp. (Hym. Ichneumonid) - Austria (Schimitschek, A, xx, 48; xxiv, 340).
Ipocoelius seitneri, Ruschka (Hym. Pteromalid) - Austria (Schimitschek, A, xx, 48; xxiv, 340): Poland (A, xviii, 323).
Pteromalus bimaculatus, Nees (Hym. Pteromalid) - Austria (Schimitschek, A, xx, 48; xxiv, 340).
Pteromalus suspensus, Ratz. (Hym. Pteromalid) - Austria (Schimitschek, A, xx, 48; xxiv, 340): Poland (A, xviii, 323; xix, 241).
Rhoptrocerus xylophagorum, Ratz. (Hym. Pteromalid) - Austria (Schimitschek, A, xx, 48; xxiv, 340): Poland (A, xviii, 323).

Ips bidens, F. - See I. bidentatus, Hbst.

Ips bidentatus, Hbst. (Scolytid)
Chremylus rubiginosus, Hlgr. (Hym. Braconid) - Germany (Wagner, A, xix, 127).
Dendrosoter hartigii, Ratz. (Hym. Braconid) - Russia (Greze, A, xvii, 192).
Spathius brevicaudis, Ratz. (Hym. Braconid) - Russia (Greze, A, xvii, 192).

Dendrosoter hartigii, Ratz. (Hym. Braconid) Britain (A, iii, 675; Hanson, xxv, 644): France (A, vi, 476): Germany (Wagner, A, xix, 127).
Dendrosoter middendorfi, Ratz. (Hym. Braconid) - Czechoslovakia (Kolubajiv, A, xxiii, 229).
Dinotus clypealis, Thoms. (Hym. Pteromalid) - Poland (A, xix, 241).
Entedon leucogramma, Ratz. (Hym. Eulophid) - Czechoslovakia (Kolubajiv, A, xxiii, 229).
Etroxys dimidiatus, Walk. (Hym. Pteromalid) Scotland (A, xi, 390).
Pteromalus azureus, Ratz. (Hym. Pteromalid) - Poland (A, xix, 241).
Pteromalus bidentis, Ratz. (Hym. Pteromalid) - Britain (Hanson, A, xxv, 644).
Pterosema aulloi, Merc. (Hym. Pteromalid) - Poland (A, xix, 241)
Rhoptrocerus xylophagorum, Ratz. (Hym. Pteromalid) - Czechoslovakia (Kolubajiv, A, xxiii, 229).

Ips bistridentatus, Eichh. (Scolytid)
Cosmophorus cembrae, Ruschka (Hym. Braconid) - Europe (A, xiii, 478, 479).
Dinotus clypealis, Thoms. (Hym. Pteromalid) - Poland (A, xix, 241).
Ecphylus hylesini, Ratz. (Hym. Braconid) - Russia (Greze, A, xvii, 192).

Ips caelatus, Eichh. (Scolytid)
Coeloides dendroctoni, Cushm. (Hym. Braconid) U.S.A. (A, xxii, 691).

Ips cembrae, Heer. (Scolytid)
Coeloides bostrychorum, Giraud (Hym. Braconid) - Austria (Schimitschek, A, xxiv, 340).
Dendrosoter middendorfi, Ratz. (Hym. Braconid) - Austria (Schimitschek, A, xxiv, 340; xix, 301).
Doryctes pomarius, Reinh. (Hym. Braconid) - Austria (Schimitschek, A, xxiv, 340).
Doryctes pomarius schimitscheki, Fahr. (Hym. Braconid) - Austria (Schimitschek, A, xxiv, 340).
Eurytoma abieticola, Ratz. (Hym. Eurytomid) - Austria (Schimitschek, A, xxiv, 340).
Pteromalus suspensus, Ratz. (Hym. Pteromalid) - Austria (A, xix, 301; Schimitschek, xxiv, 340).
Rhopalicus maculifer, Först. (Hym. Pteromalid) - Czechoslovakia (Kolubajiv, A, xxiii, 229).
Rhoptrocerus xylophagorum, Ratz. (Hym. Pteromalid) – Austria (A, xix, 301; Schimitschek, xxiv, 340).
Spathius exarator, L. (Hym. Braconid) - Austria (Schimitschek, A, xxiv, 340).

Ips chalcographus, L. (Scolytid)
Amblymerus typographi, Ruschka (Hym. Pteromalid) – Poland (A, xix, 241).
Dendrosoter hartigii, Ratz (Hym. Braconid) - Bulgaria (Tchorbadzhiev, A, xiii, 601).
Dinotus clypealis, Thoms. (Hym. Pteromalid) – Poland (A, xix, 241).
Eurytoma ischioxanthos, Ratz. (Hym. Eurytomid) – Poland (A, xix, 241)
Pteromalus sp. (Hym. Pteromalid) - Bulgaria (Tchorbadzhiev, A, xiii, 601).
Pteromalus abieticola, Ratz. (Hym. Pteromalid) - Austria (Schimitschek, A, xxiv, 340).

Pteromalus suspensus, Ratz. (Hym. Pteromalid) – Poland (A, xix, 241).
Rhoptrocerus xylophagorum, Ratz. (Hym. Pteromalid) - Poland (A, xix, 241): Russia (A, xxiv, 654).
Spathius sp. (Hym. Braconid) – Bulgaria (Tchorbadzhiev, A, xiii, 601).

Ips duplicatus, Sahlb. (Scolytid)
Coeloides bostrychorum, Giraud (Hym. Braconid) - Poland (A, xxiv, 22)
Dendrosoter middendorfi, Ratz. (Hym. Braconid) - Poland (A, xxiv, 22)
Ipocoelius seitneri, Ruschka (Hym. Pteromalid) - Poland (A, xxiv, 22)

Ips emarginatus, Lec. (Scolytid)
Coeloides dendroctoni, Cushm. (Hym. Braconid) - U.S.A. (A, xxii, 691).

Ips hopkinsi, Swaine (Scolytid)
Octonus quadricarinatus, Gir. (Hym. Mymarid) - U.S.A. (A, v, 10).

Ips laricis, F. (Scolytid)
Doryctes pomarius, Reinh. (Hym. Braconid) - France (A, vii, 236).

Ips lipperti, Hensch. (Scolytid)
Dendrosoter caenopachoides, Ruschka (Hym. Braconid) Dalmatia (A, xiii, 479).

Ips longidens, Swaine (Scolytid)
Coelopisthus sp. (Hym. Pteromalid) - U.S.A. (A, vii, 505).

Ips longifolia, Stebb. (Scolytid)
Rhoptrocerus sulcatus, Wtstn. (Hym. Pteromalid) - India (A, x, 573).

Ips monacensis, Fuchs. (Scolytid)
Dinotus clypealis, Thoms. (Hym. Pteromalid) - Russia (A, xxiv, 654).
Pteromalus azureus, Ratz. (Hym. Pteromalid) - Russia (A, xxiv, 654).
Rhoptrocerus xylophagorum, Ratz. (Hym. Pteromalid) - Russia (A, xxiv, 654).

Ips oregoni, Eichh. (Scolytid)
Coeloides dendroctoni, Cushm. (Hym. Braconid) - U.S.A. (A, xxii, 691).

Ips perturbatus, Eichh. (Scolytid)
Coeloides dendroctoni, Cushm. (Hym. Braconid) - Canada (A, xxiv, 500; xxv, 286).

Ips pilidens, Reitt. (Scolytid)
Dendrosoter hartigi, Ratz. (Hym. Braconid) - Czechoslovakia (Kolubajiv, A, xxiii, 229).
Ecphylus hylesini, Ratz. (Hym. Braconid) - Czechoslovakia (Kolubajiv, A, xxiii, 229).
Eurytoma sp. (Hym. Eurytomid) - Czechoslovakia (Kolubajiv, A, xxiii, 229).
Rhopalicus maculifer, Först. (Hym. Pteromalid) - Czechoslovakia (Kolubajiv, A, xxiii, 229).
Rhoptrocerus xylophagorum, Ratz. (Hym. Pteromalid) - Czechoslovakia (Kolubajiv, A, xxiii, 229).

Ips pini, Say (Scolytid)
Microbracon sp. (Hym. Braconid) - N. America (A, vii, 429).
Phyllomyza sp. (Dipt. Milichiid) - N. America (A, vii, 429).
Rhoptrocerus eccoptogastri, Ratz. (Hym. Pteromalid) - N. America (A, vii, 429).
Rhoptrocerus rectus, Prov. (Hym. Pteromalid) - U.S.A. (A, v, 10).
Spathius sp. (Hym. Braconid) - N. America (A, vii, 429).

Ips quadridens, Htg. (Scolytid)
Amblymerus typographi, Ruschka (Hym. Pteromalid) - Poland (A, xix, 241).
Aphycus punctipes, Dalm. (Hym. Encyrtid) - Czechoslovakia (Kolubajiv, A, xxiii, 229).
Cosmophorus cembrae, Ruschka (Hym. Braconid) - Europe (A, xiii, 478).
Dendrosoter hartigii, Ratz. (Hym. Braconid) - Austria (Schimitschek, A, xxiv, 340): Czechoslovakia (Kolubajiv, A, xxiii, 229): France (A, vi, 476).
Dendrosoter protuberans, Nees (Hym. Braconid) - France (A, vii, 236).
Ecphylus hylesini, Ratz. (Hym. Braconid) - Russia (Greze, A, xvii, 192).
Metacolus aulloi, Merc. (Hym. Pteromalid) - Spain (A, xiv, 373).
Metacolus unifasciatus, Thoms. (Hym. Pteromalid) - Spain (A, xiv, 373).
Pteromalus azureus, Ratz. (Hym. Pteromalid) - Poland (A, xix, 241).
Rhoptrocerus xylophagorum, Ratz. (Hym. Pteromalid) - Czechoslovakia (Kolubajiv, A, xxiii, 229): Spain (A, xvii, 572).

Ips quadridens calcaratus, Dej. (Scolytid)
Ecphylus hylesini, Ratz. (Hym. Braconid) - France (A, xxiii, 278).

Ips sexdentatus, Boern. (Scolytid)
Coeloides abdominalis, Zett. (Hym. Braconid) - Russia (Greze, A, xvii, 192).
Coeloides bostrychorum, Giraud (Hym. Braconid) - Russia (Greze, A, xvii, 192).
Eurytoma auricoma, Mayr (Hym. Eurytomid) - ? (A, xviii, 323).
Pteromalus suspensus, Ratz. (Hym. Pteromalid) - Poland (A, xix, 241).

Ips suturalis, Gyll. (Scolytid)
Dendrosoter protuberans, Nees (Hym. Braconid) - Britain (Hanson, A, xxv, 644).
Microbracon obscurator, Nees (Hym. Braconid) - Russia (Greze, A, xvii, 192).

Ips trepanatus, Nordl. (Scolytid)
Dendrosoter hartigii, Ratz. (Hym. Braconid) - Russia (Greze, A, xvii, 192).
Dendrosoter flaviventris, Först. (Hym. Braconid) - Russia (Greze, A, xvii, 192).

Ips typographus, L. (Scolytid)
Amblymerus typographi, Ruschka (Hym. Pteromalid) - Austria (A, xii, 297).
Cheiropachys tutela, Walk. (Hym. Cleonymid) - Poland (A, xii, 105).
Coeloides bostrychorum, Giraud (Hym. Braconid) - Austria (A, xii,

297): Czechoslovakia (Kolubajiv, A, xxiii, 229): Poland (A, xviii, 323; xxii, 142, 495; xxiv, 22).
Coeloides melanotus, Wesm. (Hym. Braconid) – Russia (Meier, A, xvi, 200).
Dendrosoter middendorfi, Ratz. (Hym. Braconid) – Poland (A, xii, 105; xxiv, 22).
Diglochis omnivora, Wlk. (Hym. Pteromalid) – Germany (A, ix, 97).
Eurytoma auricoma, Mayr (Hym. Eurytomid) – Sweden (A, xiii, 163).
Eurytoma ischioxanthos, Ratz. (Hym. Eurytomid) – Poland (A, xviii, 323).
Eurytomid sp. (Hym.) – Czechoslovakia (A, xxii, 368).
Eustalocerus clavicornis, Wesm. (Hym. Braconid) – Austria (A, xii, 297; Schimitschek, xx, 48; xxiv, 340): Poland (A, xviii, 323).
Hemiteles sp. (Hym. Ichneumonid) – Austria (Schimitschek, A, xx, 48; xxiv, 340).
Ichneutes reunitor, Nees (Hym Braconid) – Poland (A, xviii, 323).
Ipocoelius seitneri, Ruschka (Hym. Pteromalid) – Austria (A, xii, 297; xiii, 205; Schimitschek, xx, 48; xxiv, 340): Poland (A, xviii, 323; xxii, 142; xxiv, 22): Sweden (A, xiii, 163).
Microbracon sp. (Hym. Braconid) – Poland (A, xii, 105).
Pimpla alternans, Grav. (Hym. Ichneumonid) – Poland (A, xii, 105).
Pteromalid sp. (Hym.) – Czechoslovakia (A, xxii, 368).
Pteromalus bimaculatus, Nees (Hym. Pteromalid) – Austria (Schimitschek, A, xx, 48; xxiv, 340).
Pteromalus suspensus, Ratz. (Hym. Pteromalid) – Austria (A, xii, 297; xiii, 204; Schimitschek, xx, 48; xxiv, 340): Poland (A, xviii, 323; xix, 241): Russia (Meier, A, xviii, 131): Sweden (A, xiii, 163).
Rhopalicus maculifer, Först. (Hym. Pteromalid) – Czechoslovakia (Kolubajiv, A, xxiii, 229): Poland (A, xxii, 495): Russia (A, xxiv, 654).
Rhoptrocerus xylophagorum, Ratz. (Hym. Pteromalid) – Austria (A, xii, 297; Schimitschek, xx, 48; xxiv, 340): Czechoslovakia (Kolubajiv, A, xxiii, 229): Poland (A, xii, 105; xviii, 325): Russia (Meier, A, xviii, 131): Sweden (A, xiii, 163).

Ips vancouveri, Swaine (Scolytid)

Coeloides dendroctoni, Cushm (Hym. Braconid) – U.S.A. (A, xxii, 691).

Isarthron castaneum, L. – See Tetropium

Lachnopus coffeae, Mshl. (Curculionid)

Tetrastichus sp. (Hym. Eulophid) – Porto Rico (A, xi, 59, 300).
Tetrastichus vaquitarum, Wolc. (Hym. Eulophid) – Porto Rico (A, xii, 251; Wolcott, xxii, 65).

Lachnopus coffeae montanus, Mshl. (Curculionid)

Tetrastichus sp. (Hym. Eulophid) – Porto Rico (A, xi, 59).

Lachnosterna sp. (Melolonthid)

Biomyia lachnosternae, Towns. (Dipt. Tachinid) - U.S.A. (A, iv, 285; vi, 568; vii, 256).

Campsomeris annulata, F. (Hym. Scoliid) - Java (Betrem, A, xvii, 248; Jepson, xxiv, 785): Philippines (Lopez, A, xx, 214).

Campsomeris dorsata, F. (Hym. Scoliid) - Porto Rico (A, i, 184; Jepson, xxiv, 785): Porto Rico - Mauritius (A, xxiii, 114).

Campsomeris hesterae, Rohw. (Hym. Scoliid) - Porto Rico (Jepson, A, xxiv, 785).

Campsomeris limbata, Sauss. (Hym. Scoliid) - Java (Jepson, A, xxiv, 785).

Campsomeris lindeni, Lep. (Hym. Scoliid) - Java (Jepson, A, xxiv, 785).

Campsomeris octomaculata hermione, Banks (Hym. Scoliid) - U.S.A. (Jepson, A, xxiv, 785).

Campsomeris peregrina, Lep. (Hym. Scoliid) - Oriental Region (Betrem, A, xvii, 248).

Campsomeris pfeifferi, Sauss. (Hym. Scoliid) - Mauritius from Madagascar (A, vi, 301).

Campsomeris plumipes, Drury (Hym. Scoliid) - U.S.A. & Porto Rico (Jepson, A, xxiv, 785).

Campsomeris tricincta, F. (Hym. Scoliid) - America (Betrem, A, xvii, 248): Porto Rico (A, v, 410; Jepson, xxiv, 785): S. Domingo, Cuba, Jamaica & Trinidad (Jepson, xxiv, 785).

Campsomeris trifasciata, F. (Hym. Scoliid) - Porto Rico (A, v, 410).

Cryptomeigenia aurifacies, Walt. (Dipt. Tachinid) - Porto Rico (A, i, 184; ii, 48; vi, 103; xi, 60; xxiii, 114): U.S.A. (A, vii, 256).

Cryptomeigenia theutis, Wlk. (Dipt. Tachinid) - Canada (A, vi, 363): U.S.A. (A, iv, 284; vi, 568; vii, 256).

Elis sp. (Hym. Scoliid) - U.S.A. (A, xi, 503).

Elis atriventris, Gahan (Hym. Scoliid) - U.S.A. (A, vii, 256; Jepson, xxiv, 785).

Elis collaris, Say (Hym. Scoliid) - U.S.A. - Porto Rico (A, xi, 60; Jepson, xxiv, 785).

Elis ephippium, F. (Hym. Scoliid) - Porto Rico (A, v, 410).

Elis illinoisensis, D.T. (Hym. Scoliid) - U.S.A. (A, vii, 256; Jepson, xxiv, 785).

Elis interrupta, Say (Hym. Scoliid) - U.S.A. (A, vii, 256; Jepson, xxiv, 785).

Elis obscura, F. (Hym. Scoliid) - U.S.A. (A, vii, 256; Jepson, xxiv, 785).

Elis quinquecincta, F. (Hym. Scoliid) - N. America (A, vi, 344): U.S.A. (A, iv, 284; vii, 256; xii, 587; Jepson, xxiv, 785).

Elis rufa, Lep. (Hym. Scoliid) - Mauritius (A, vi, 141).

Elis sexcincta, F. (Hym. Scoliid) - Porto Rico (A, i, 184; ii, 48; v, 410; Jepson, xxiv, 785): U.S.A. (A, i, 527; ii, 121; Jepson, xxiv, 785).

Eutrixa masuria, Wlk. (Dipt. Tachinid) - U.S.A. (A, iv, 285; vi, 568, vii, 256).

Eutrixoides jonesii, Walt. (Dipt. Tachinid) - Porto Rico (A, i, 184; ii, 45; vi, 103; Wolcott, xi, 60; xxii, 65; xxiii, 114): U.S.A. (A, vii, 256).

Exoprosopa fasciata, Macq. (Dipt. Bombyliid) - U.S.A. (A, xxiii, 330).

Fannia canicularis, L. (Dipt. Anthomyiid) - U.S.A. (A, vii, 256).

Microphthalma disjuncta, Wied. (Dipt. Tachinid) - N. America (A, vi, 345): Canada (A, vi, 363; ix, 129): U.S.A. (A, iv, 284; vi, 568; vii, 256).
Microphthalma michiganensis, Towns. (Dipt. Tachinid) - Canada - New Zealand (A, xvii, 61).
Microphthalma pruinosa, Coq. (Dipt. Tachinid) - N. America (A, vi, 345): U.S.A. (A, iv, 284; vii, 256).
Myiocera cremiodes, Wlk. (Dipt. Tachinid) - Canada (A, vi, 363): U.S.A. (A, vii, 256).
Neophyto nocturnalis, Walt. (Dipt. Tachinid) - U.S.A. (A, iii, 691).
Ophion bifoveolatum, Brul. (Hym. Ichneumonid) - U.S.A. (A, i, 527; iv, 284).
Pelecinus polyturator, Drury (Hym. Pelecinid) - Canada (A, ix, 129; xii, 532): U.S.A. (A, iv, 284; Davis, vii, 256, xvii, 275).
Prosena lacertosa, Wulp. (Dipt. Tachinid) - Mexico (A, vii, 256).
Ptilodexia abdominalis, R.D. (Dipt. Tachinid) - Canada (A, vi, 363; vii, 256).
Ptilodexia harpasa, Wlk. (Dipt. Tachinid) - U.S.A. (A, vii, 256).
Ptilodexia tibialis, R.D. (Dipt. Tachinid) - N. America (A, vi, 345): Canada (A, vi, 363): U.S.A. (A, iv, 284; vi, 568).
Pyrgota undata, Wied. (Dipt. Ortalid) - U.S.A. (A, i, 527; ii, 121; iv, 284; vii, 256): U.S.A. - Porto Rico (A, xi, 60).
Pyrgota valida, Harr. (Dipt. Ortalid) - U.S.A. (A, iv, 284; vii, 256).
Sarcophaga barbata, Thoms. (Dipt. Sarcophagid) - U.S.A. (A, vii, 256).
Sarcophaga prohibita, Aldr. (Dipt. Sarcophagid) - U.S.A. (A, vii, 256).
Sarcophaga rapax, Wlk. (Dipt. Sarcophagid) - U.S.A. (A, vii, 256).
Sarcophaga setulosa, Wulp. (Dipt. Sarcophagid) - U.S.A. (A, vii, 256).
Sarcophaga tuberosa sarracenioides, Aldr. (Dipt. Sarcophagid) - U.S.A. (A, vii, 256).
Sarcophaga utilis, Aldr. (Dipt. Sarcophagid) - U.S.A. (A, vii, 256).
Scolia atrata, F. (Hym. Scoliid) - Porto Rico (A, v, 410).
Scolia scutellaris, Grib. (Hym. Scoliid) - Philippines (Jepson, A, xxiv, 785).
Sparnopolius fulvus, Wied. (Dipt. Bombyliid) - U.S.A. (A, i, 527; iv, 121; Davis, vii, 256).
Tiphia sp. (Hym. Scoliid) - Porto Rico (A, xi, 60; xii, 29; xiii, 409; xxii, 539): U.S.A. (A, iv, 121, 284; xi, 60, 503; xxiii, 150).
Tiphia argentipes, Cress. (Hym. Scoliid) - Porto Rico, Cuba & St. Vincent (Jepson, A, xxiv, 785).
Tiphia inornata, Say (Hym. Scoliid) - N. America (A, vi, 344): Canada (A, ix, 129; Jepson, xxiv, 785): U.S.A. (A, i, 527, ii, 141; iii, 87; v, 72; vii, 256; Jepson, xxiv, 785).
Tiphia ovinigris, A. & J. (Hym. Scoliid) - Japan, Korea (Clausen, Gardner & Sato, A, xxi, 14; Jepson, xxiv, 785).
Tiphia parallela, Sm. (Hym. Scoliid) - Antigua (A, v, 394): Mauritius (A, viii, 73).
Tiphia phyllophagae, A. & J. (Hym. Scoliid) - Japan, Korea (Clausen, Gardner & Sato, A, xxi, 14; Jepson, xxiv, 785).
Tiphia popilliavora, Robw. (Hym. Scoliid) - Japan (A, xii, 301).
Tiphia punctata, Rob. (Hym. Scoliid) - U.S.A. (A, vii, 256; Jepson, xxiv, 785): Porto Rico & S. Domingo (Jepson, A, xxiv, 785).
Tiphia transversa, Say (Hym. Scoliid) - U.S.A. (A, vii, 256; Jepson, xxiv, 785).
Tiphia vulgaris, Rob. (Hym. Scoliid) - U.S.A. (A, vii, 256; Jepson, xxiv, 785).

Lachnosterna antiguae, Arrow (Melolonthid)
Campsomeris dorsata, F. (Hym. Scoliid) – Antigua (A, xxiii, 449).
Tiphia parallela, Sm. (Hym. Scoliid) – Antigua (A, x, 8; xiii, 346; xiv, 302; Jepson, xxiv, 785).

Lachnosterna anxia, Lec. (Melolonthid)
Microphthalma michiganensis, Tns. (Dipt. Tachinid) - Canada (A, xiii, 578; xv, 44, xix, 756).
Pelecinus polyturator, Drury (Hym. Pelecinid) - Canada (A, xiii, 578; xv, 44).
Pyrgota undata, Wied. (Dipt. Ortalid) - Canada (A, xv, 44).
Tiphia inornata, Say (Hym. Scoliid) - Canada (A, xiii, 578; xv, 44; xix, 756; Jepson, xxiv, 785).

Lachnosterna apicalis, Blanch. (Melolonthid)
Elis haemorrhoidalis, F. (Hym. Scoliid) - Porto Rico (A, xv, 409; Wolcott, xxii, 65; Jepson, xxiv, 785).

Lachnosterna bidentata, Burm. (Melolonthid)
Urodexia uramyoides, Towns. (Dipt. Tachinid) – Banka (A, xxiv, 667).

Lachnosterna citri, Sm. (Melolonthid)
Cryptomeigenia aurifacies, Walt. (Dipt. Tachinid) – Porto Rico (Jepson, A, xxiv, 785).

Lachnosterna diomphalia, Bates (Melolonthid)
Campsomeris annulata, F. (Hym. Scoliid)-Chosen-(Jepson, A, xxiv, 785): Japan, Korea (Clausen, Gardner & Sato, A, xxi, 14).
Tiphia phyllophagas, A. & J. (Hym. Scoliid) - Japan, Korea (Clausen, Gardner & Sato, A, xxi, 14) (Jepson, xxiv, 785).

Lachnosterna guanicana, Smyth (Melolonthid)
Campsomeris dorsata, F. (Hym. Scoliid) - Porto Rico (Moutia, A, xxiii, 243).
Campsomeris tricincta, F. (Hym. Scoliid) - Porto Rico (Moutia, A, xxiii, 243).
Campsomeris trifasciata, F. (Hym. Scoliid) - Porto Rico (Moutia, A, xxiii, 243).
Cryptomeigenia aurifascies, Walt. (Dipt. Tachinid) – Porto Rico (Moutia, A, xxiii, 243).
Elis ephippium, F. (Hym. Scoliid) - Porto Rico (Moutia, A, xxiii, 243).
Eutrixoides jonesi, Walt. (Dipt. Tachinid) - Porto Rico (Moutia, A, xxiii, 243).

Lachnosterna helleri, Brsk. (Melolonthid)
Campsomeris annulata, F. (Hym. Scoliid) - Dutch E. Indies (Leefmans, A, xviii, 456; Jepson, xxiv, 785).
Campsomeris coelebs, Sich. (Hym. Scoliid) - Dutch E. Indies (Leefmans, A, xviii, 456).
Campsomeris leefmansi, Betr. (Hym. Scoliid) - Oriental region (Betrem, A, xvii, 248; Jepson, xxiv, 785): Java (Moutia, A, xxiii, 243; Jepson, xxiv, 785).

Campsomeris marginella modesta, Sm. (Hym. Scoliid) - Java (Jepson, A, xxiv, 785).

Lachnosterna hogardi, Blanch. (Melolonthid)
Ptilodoxia harpasa, Wlk. (Dipt. Tachinid) - Haiti (A, xv, 409).

Lachnosterna horishana, Niij. & Kino (Melolonthid)
Campsomeris annulata, Sm. (Hym. Scoliid) - Formosa (A, xvi, 481, Jepson, xxiv, 785).

Lachnosterna insularis, Smyth (Melolonthid)
Elis haemorrhoidalis, F. (Hym. Scoliid) - Porto Rico (A, xi, 60; Jepson, xxiv, 785).

Lachnosterna inversa, Horn. (Melolonthid)
Cryptomeigenia theutis, Wlk. (Dipt. Tachinid) - U.S.A. (A, iv, 463).

Lachnosterna lanceolata, Say (Melolonthid)
Sarcophaga prohibita, Aldr. (Dipt. Sarcophagid) - U.S.A. (A, vii, 227).

Lachnosterna patruelis, Chevr. (Melolonthid)
Campsomeris atrata, F. (Hym. Scoliid) - America (Betrem, A, xvii, 248): Cuba (Jepson, A, xxiv, 785).
Tiphia sp. (Hym. Scoliid) - W. Indies (A, iv, 43): St. Kitts (Jepson, A, xxiv, 785).

Lachnosterna portoricensis, Smyth (Melolonthid)
Campsomeris dorsata, F. (Hym. Scoliid) - Porto Rico (Moutia, A, xxiii, 243).
Campsomeris hesterae, Rohw. (Hym. Scoliid) - America (Betrem, A, xvii, 248): Porto Rico (A, xv, 286).
Campsomeris tricincta, F. (Hym. Scoliid) - Porto Rico (Moutia, A, xxiii, 243).
Campsomeris trifasciata, F. (Hym. Scoliid) - Porto Rico (Moutia, A, xxiii, 243): San Domingo, Haiti, Cuba & Jamaica (Jepson, A, xxiv, 785).
Cryptomeigenia aurifacies, Walt. (Dipt. Tachinid) - Porto Rico (A, v, 410, 558; xv, 409; Moutia, xxiii, 243; Jepson, xxiv, 785).
Elis ephippium, F. (Hym. Scoliid) - Porto Rico (Moutia, A, xxiii, 243): Santo Domingo (A, xv, 409): Santo Domingo - Porto Rico (Jepson, A, xxiv, 785).
Eutrixoides jonesii, Walt. (Dipt. Tachinid) - Porto Rico (A, v, 410; xv, 409; Moutia, xxiii, 243).
Sarcophaga lambens, Wied. (Dipt. Sarcophagid) - Porto Rico (A, xi, 62; Aldrich, xvi, 82).
Sarcophaga robusta, Ald. (Dipt. Sarcophagid) - Porto Rico (A, xv, 409).

Lachnosterna smithi, Arr. (Melolonthid)
Campsomeris annulata, F. (Hym. Scoliid) - Java - Mauritius (Vinson, A, xxiv, 287; Jepson, xxiv, 666, 667, 785).
Campsomeris aureicollis, Lep. (Hym. Scoliid) - Java - Mauritius (Vinson, A, xxiv, 287).
Campsomeris ciliata, F. (Hym. Scoliid) - Ethiopia (Betrem, A, xvii, 248).

Campsomeris coelebs, Sich. (Hym. Scoliid) – Mauritius from Madagascar (A, xi, 133; xviii, 140; xix, 377; xxi, 220; Jepson, xxii, 621; xxii, 353; xxiii, 68, 243, 345; xxiv, 240, 436; Jepson, xxiv, 666, 785).
Campsomeris dorsata, F. (Hym. Scoliid) – America (Betrem, A, xvii, 248): Barbados (A, ix, 322; xx, 402; Jepson, xxiv, 785): Porto Rico (A, v, 410).
Campsomeris erythrogaster, Dalm. (Hym. Scoliid) – Madagascar Mauritius (Jepson, A, xxiv, 666, 785).
Campsomeris fax, Bradley (Hym. Scoliid) – Mauritius (A, xxiv, 219; Jepson, xxiv, 785).
Campsomeris grandidieri, Sauss. (Hym. Scoliid) Rodriguez-Mauritius (A, xxi, 424; xxiv, 436).
Campsomeris javana, Lep. (Hym. Scoliid) – Java-Mauritius (Vinson, A, xxiv, 287; Jepson, xxiv, 666, 785).
Campsomeris leefmansi, Betr. (Hym. Scoliid) – Java Mauritius (Vinson, A, xxiv, 287; Jepson, xxiv, 667, 785).
Campsomeris lindenii, Lep. (Hym. Scoliid) – Java-Mauritius (Vinson, A, xxiv, 287; Jepson, xxiv, 785).
Campsomeris marginella modesta Sm. (Hym. Scoliid) – Philippines-Mauritius (Jepson, A, xxiv, 666, 785).
Campsomeris minutalis, Bradley (Hym. Scoliid) – Madagascar and Mauritius (A, xxiv, 219; Vinson, xxiv, 287; Jepson, xxiv, 666, 785).
Campsomeris peregrina, Lep. (Hym. Scoliid) – Java-Mauritius (Vinson, A, xxiv, 287).
Campsomeris pfeifferi, Sauss. (Hym. Scoliid) – Madagascar-Mauritius (Vinson, A, xxiv, 287; Jepson, xxiv, 666, 785).
Campsomeris phalerata, Sauss. (Hym. Scoliid) – Java-Mauritius (Vinson, A, xxiv, 287; Jepson, xxiv, 666, 785).
Campsomeris pilosella, Sauss. (Hym. Scoliid) – Madagascar and Mauritius (A, xxi, 644; xxii, 353; xxiii, 68, 245, 345; xxiv, 240; Vinson, xxiv, 287; Jepson, xxiv, 666, 785).
Campsomeris pocillator, Bradley (Hym. Scoliid) – Madagascar and Mauritius (A, xxiv, 219; Vinson, xxiv, 287; Jepson, xxiv, 666, 785).
Campsomeris prismatica, Sm. (Hym. Scoliid) – Java-Mauritius (Vinson, A, xxiv, 287): Philippines-Mauritius (Jepson, A, xxiv, 666): Malaya-Mauritius (Jepson, A, xxiv, 785).
Campsomeris quadrifasciata, F. (Hym. Scoliid) – Java-Mauritius (Jepson, A, xxiv, 666): Banka Is.-Mauritius (Jepson, A, xxiv, 785).
Campsomeris quadrifasciata var. fimbriata, Burm. (Hym. Scoliid) – Java-Mauritius (A, xxiv, 667: Jepson, xxiv, 785).
Campsomeris quadrifasciata var. negrosicola, Betr. (Hym. Scoliid) – Mauritius (Jepson, A, xxiv, 785).
Campsomeris quadriguttulata, Burm. (Hym. Scoliid) – Java-Mauritius (A, xxiv, 667; Jepson, xxiv, 785).
Campsomeris rodriguezensis, Bradley (Hym. Scoliid) – Rodrigues Is. (A, xxiv, 219): Rodriguez Is.-Mauritius (Jepson, A, xxiv, 785).
Campsomeris tricincta, F. (Hym. Scoliid) – Barbados (A, xxii, 699; xxiv, 606).
Campsomeris trifasciata, F. (Hym. Scoliid) – Barbados (A, xxii, 699; xxiv, 606).
Elis sp. (Hym. Scoliid) – Mauritius (A, xx, 397).
Elis ephippium, F. (Hym. Scoliid) – Barbados (A, xxiv, 606): Porto Rico-Barbados (A, xxii, 699): Porto Rico & Barbados-Mauritius (Jepson, A, xxiv, 785).

Elis haemorrhoidalis, F. (Hym. Scoliid) - Barbados (A, xxii, 699; xxiv, 806).
Elis nodosa Guer. (Hym. Scoliid) - Madagascar to Mauritius (A, xxiv, 6
Myzine sp. (Hym. Scoliid) - Madagascar to Mauritius (Vinson, A, xxiv, 28
Prosena siberita, F. (Dipt. Tachinid) - Java to Mauritius (Vinson, A, xxiv, 287).
Scolia sp. (Hym. Scoliid) - Madagascar to Mauritius (Vinson, A, xxiv, 28
Scolia oryctophaga, Coq. (Hym. Scoliid) - Ethiopia (Betrem, A, xvii, 248): Mauritius (A, xiii, 491).
Scolia rufa, Lep. (Hym. Scoliid) - Mauritius (A, vii, 4; xiii, 491): Tachinid sp. (Dipt.) - Madagascar to Mauritius (Moutia, A, xxiv, 240).
Tiphia sp. (Hym. Scoliid) - Java to Mauritius (Vinson, A, xxiv, 287).
Tiphia parallela, Sm. (Hym. Scoliid) - Antigua (A, vii, 414). Barbados (A, i, 28, 252; ii, 30, 531; iii, 500; iv, 9, 256; ix, 322; xvii, 44; xx, 402; Wolcott, xxii, 65; i, 97; xxiv, 436; Jepson, xxiv, 785): W. Indies (A, vii, 256): Mauritius (A, ii, 612; iii, 730; v, 502; vi, 141; vii, 4; viii, 55, 498; ix, 145; xi, 133; xiii, 490, 491; xvii, 100; xviii, 140, 429, 559; xix, 377; xx, 397; xxi, 220; xxii, 353, 421, 621; xxiii, 68, 243, 345; xxiv, 240, 436; Jepson, xxiv, 785).

Lachnosterna vandinei, Smyth (Melolonthid)
Campsomeris dorsata, F. (Hym. Scoliid) - Porto Rico (Moutia, A, xxiii, 243).
Campsomeris tricincta, F (Hym. Scoliid) - Porto Rico (Moutia, A, xxiii, 243).
Campsomeris trifasciata, F. (Hym. Scoliid) - Porto Rico (Moutia, A, xxii 243; Jepson, xxiv, 785).
Cryptomeigenia aurifacies, Walt. (Dipt. Tachinid) - Porto Rico (A, v, 410; Moutia, xxiii, 243).
Elis ephippium, F. (Hym. Scoliid) - Porto Rico (Moutia, A, xxiii, 243; Jepson, xxiv, 785): St. Thomas Is. (Jepson, A, xxiv, 785).
Eutrixoides jonesii, Walt. (Dipt. Tachinid) - Porto Rico (A, v, 410; Moutia, xxiii, 243).
Sarcophaga lambens, Wied. (Dipt. Sarcophagid) - Porto Rico (A, xi, 62).

Lachnosterna vidua, Sharp (Melolonthid)
? Campsomeris annulata, F. (Hym. Scoliid) - Philippines (A, xix, 575; Jepson, xxiv, 785).
? Campsomeris asiatica, Sauss. (Hym. Scoliid) - Philippines (A, xix, 575; Jepson, xxiv, 785).
? Campsomeris aureicollis, Lep. (Hym. Scoliid) - Philippines (A, xix, 575).
Campsomeris luctuosa, Sm. (Hym. Scoliid) - Philippines (A, xix, 575).
? Campsomeris marginella modesta, Sm. (Hym. Scoliid) - Philippines (A, xix, 575).
Campsomeris quadrifasciata negrosicola, Betrem (Hym. Scoliid) - Philippines (Jepson, A, xxiv, 785).
Campsomeris reticulata, Cam. (Hym. Scoliid) - Philippines (A, xix, 575).
? Liacos analis, F. (Hym. Scoliid) - Philippines (A, xix, 575).
? Scolia scutellaris, Grib. (Hym. Scoliid) - Philippines (A, xix, 575).

Laemophloeus minutus, Ol. (Cucujid)
Cephalonomia waterstoni, Gahan (Hym. Bethylid) - U.S.A. (A, xxii, 315).

Lagochirus obsoletus, Thoms. (Lamiid)
Sclerodermus immigrans, Bridw. (Hym. Bethylid) - Hawaii (A, viii, 435).

Languria mozardi, Latr. (Languriid)
Eupelmus allyni, French (Hym. Eupelmid) - U.S.A. (A, ix, 202).
Eurytoma sp. (Hym. Eurytomid) - U.S.A. (A, ix, 202).
Habrocytus languriae, Ashm. (Hym. Pteromalid) - U.S.A. (A, vii, 321; ix, 202).
Heterospilus sp. (Hym. Braconid) - U.S.A. (A, ix, 202).
Ootetrastichus gibboni, Gir. (Hym. Eulophid) - (A, vii, 401).

Laria - See Bruchus

Laria pisi, L. — See Bruchus pisorum, L.

Larinus cynarae, F. (Curculionid)
Rondania dimidiata, Mg. (Dipt. Tachinid) - Italy (A, xviii, 561).

Larinus scolymi, Ol. (Curculionid)
Rondania dimidiata, Mg. (Dipt. Tachinid) - Italy (A, xix, 461).

Larinus planus, F. (Curculionid)
Habrocytus sp. (Hym. Pteromalid) - France (Falcoz, Bull. Soc. ent. France, 1926, 132).

Lasioderma serricorne, F. (Anobiid)
Aplastomorpha calandrae, How. (Hym. Pteromalid) - Greece (A, xxiii, 389; Isaakides, xxiv, 611): Turkey (A, xxiii, 389): Br. Guiana (A, ii, 520; iv, 359): U.S.A. (A, vii, 366; xi, 301; xxv, 186).
Cephalonomia gallicola, Ashm. (Hym. Bethylid) - Germany (A, xx, 194): U.S.A. (A, xxii, 642).
Norbanus sp. (Hym. Pteromalid) - Dutch E. Indies (A, vi, 222): Philippines (A, i, 170; vii, 366).

Leis conformis, Boisd. (Coccinellid)
Braconid sp. (Hym.) - Victoria (A, xxii, 483).

Lema melanopa, L. (Criocerid)
Anilastus sp. (Hym. Ichneumonid) - Rumania (A, xxiv, 678).
Anilastus japonicus, Sonan (Hym. Ichneumonid) - Japan (A, xix, 196).
Bathythrix kuwanae, Vier. (Hym. Ichneumonid) - Japan and Korea (A, xix, 196).
Bathythrix kuwanae nigrans, Sonan (Hym. Ichneumonid) - Japan (A, xix, 196).
Bathythrix rufus, Sonan (Hym. Ichneumonid) - Japan (A. xix, 196).
Gelis lemae, Sonan (Hym. Ichneumonid) - Japan (A, xix, 196).
Habrocryptus ruficoxatus, Sonan (Hym. Ichneumonid) - Japan (A, xix, 196).
Melcha lemae, Sonan (Hym. Ichneumonid) - Formosa (A, xix, 196).
Tetrastichus sp. (Hym. Eulophid) - Rumania (A, xxiv, 678).
Thersilochus sp. (Hym. Ichneumonid) - Rumania (A, xxiv, 678).

Lema oryzae, Kuw. (Criocerid)
Anaphes nipponicus, Kuw. (Hym. Mymarid) - Japan and Formosa (A, xx, 459; xxiii, 363; xxiv, 744).

Anilastus japonicus, Sonan (Hym. Ichneumonid) - Japan (A, xx, 459).
Habrocryptus ruficoxatus, Sonan (Hym. Ichneumonid) - Japan (A, xx, 460).
Melcha lemae, Sonan (Hym. Ichneumonid) - Formosa (A, xx, 460).
Nesopimpla narangae, Ashm. (Hym. Ichneumonid) - Japan (A, xx, 459).
Trichomalopsis shirakii, Crwf. (Hym. Pteromalid) - Japan (A, xx, 459).

Lema trilineata, Ol. (Criocerid)
Emersonella lemae, Gir. (Hym. Eulophid) Canada (A, xii, 211): U.S.A. (Poos, A, xvii, 88).

Lepadoretus compressus, Web. (Rutelid)
Campylocera robusta, Wulp (Dipt. Ortalid) - Dutch E. Indies (Leefmans, A, xviii, 456).
Prosena siberita, F. (Dipt. Tachinid) - Dutch E. Indies (Leefmans, A, xviii, 456).
Tiphia sp. (Hym. Scoliid) - Dutch E. Indies (Leefmans, A, xviii, 456)

Leperisinus californicus, Swaine (Scolytid)
Ecphylus sp. (probably schwarzi, Rohw.) (Hym. Braconid) - U.S.A. (A, viii, 91).

Leperisinus fraxini, Panz. - See Hylesinus

Lepidiota sp (Melolonthid)
Campsomeris maniensis, Sauss. (Hym. Scoliid) - Queensland (Jepson, A, xxiv, 785).
Scolia scutellaris, Grib. (Hym. Scoliid) - Philippines (Jepson, A, xxiv, 785).

Lepidiota albohirta, Waterh. - See Lepidoderma albohirtum, Waterh.

Lepidiota caudata, Blkb. (Melolonthid)
Campsomeris formosa, Guér. (Hym. Scoliid) - Australia (A, xix, 299; Jepson, xxiv, 785).
Campsomeris tasmaniensis, Sauss. (Hym. Scoliid) - Australia (Betrem, A, xvii, 248; Jepson, xxiv, 785).

Lepidiota consobrina, Gir. (Melolonthid)
Campsomeris aureicollis, Lep. (Hym. Scoliid) - Australia (A, xx, 247).
Campsomeris formosa, Guér. (Hym. Scoliid) - Australia (A, xix, 299; Jepson, xxiv, 785).
Campsomeris quadrifasciata negrosicola, Betr. (Hym. Scoliid) - Australia (Jepson, A, xxiv, 785).

Lepidiota frenchi, Blkb. (Melolonthid)
Campsomeris aureicollis, Lep. (Hym. Scoliid) - Australia (A, xx, 247).
Campsomeris formosa, Guér. (Hym. Scoliid) - Australia (A, viii, 164; Betrem, xvii, 191; xix, 299; Jepson, xxiv, 785).
Campsomeris quadrifasciata negrosicola, Betr. (Hym. Scoliid) - Australia (Jepson, A, xxiv, 785).
Campsomeris radula, F. (Hym. Scoliid) - Australia (A, vi, 294, 323; vii, 109; viii, 131, 164; xvii, 241, Betrem, 248; Jepson, xxiv, 785).
Campsomeris tasmaniensis, Sauss. (Hym. Scoliid) - Australia (A, vii, 109; Betrem, xvii, 248; Moutia, xxiii, 243; Jepson, xxiv, 785).
Palpostoma desvoidyi, Aldr. (Dipt. Muscid) - Australia (A, xi, 126).

Rutilia sp. (Dipt. Tachinid) – Australia (A, xxii, 241).
Scolia soror, Smith (Hym. Scoliid) - Queensland (Moutia, A, xxiii, 243).

Lepidiota pruinosa, Wied. (Melolonthid)

? Campsomeris annulata, F. (Hym. Scoliid) – Philippines (Moutia, A, xxiii, 243; xix, 575; Jepson, xxiv, 785).
? Campsomeris asiatica, Sauss. (Hym. Scoliid) - Philippines (A, xix, 575; Lopez, xx, 214; Moutia, xxiii, 243; Jepson, xxiv, 785).
? Campsomeris aureicollis, Lep. (Hym. Scoliid) – Philippines (A, xix, 575; Lopez, xx, 214; Moutia, xxiii, 243).
? Campsomeris aurulenta, Sm. (Hym. Scoliid) – Philippines (A, xix, 575; Jepson, A, xxiv, 785).
? Campsomeris luctuosa, Sm. (Hym. Scoliid) Philippines (A, xix, 575).
? Campsomeris maniensis, Sauss. (Hym. Scoliid) - Australia (A, xx, 186): Philippines (A, xix, 575).
? Campsomeris marginella modesta, Sm. (Hym. Scoliid) – Philippines (A, xix, 575)
Campsomeris quadrifasciata, F. var. negrosicola, Betr. (Hym. Scoliid) Philippines (Jepson, A, xxiv, 785).
? Campsomeris reticulata, Cam. (Hym. Scoliid) – Philippines (A, xix, 575; xx, 214).
Campsomeris rohweri, Betr. (Hym. Scoliid) – Philippines (Jepson, A, xxiv, 785).
? Liacos analis, F. (Hym. Scoliid) – Philippines (A, xix, 575; Lopez, xx, 214).
? Scolia scutellaris, Grib. (Hym. Scoliid) - Philippines (A, xix, 575).

Lepidiota rothei, Blkb. (Melolonthid)
Rutilia pellucens, Macq. (Dipt. Tachinid) - Queensland (A, x, 615).

Lepidiota stigma, F. (Melolonthid)
Campsomeris rubromaculata, Sm. (Hym. Scoliid) – Java (Jepson, A, xxiv, 785).

Lepidoderma albohirtum, Waterh. (Melolonthid)
Campsomeris aureicollis, Lep. (Hym. Scoliid) – Australia & Philippines (A, xiii, 172; xx, 186, 247).
Campsomeris carinifrons, Turner (Hym. Scoliid) - Australia (Jepson, A, xxiv, 785).
Campsomeris ferruginea, F. (Hym. Scoliid) - Australia (A, xiii, 172; Jepson, xxiv, 785).
Campsomeris formosa, Guer. (Hym. Scoliid) – Australia (A, iv, 344; x, 341; xiii, 172; Betrem, xvii, 248; xix, 299; Jepson, xxiv, 785).
Campsomeris quadrifasciata, F. var. negrosicola, Betr. (Hym. Scoliid) Australia (Jepson, A, xxiv, 785).
Campsomeris radula, F. (Hym. Scoliid) – Australia (A, iv, 344; x, 615; xiv, 548; xvii, 241; Moutia, xxiii, 243): Australia-Java (Jepson, A xxiv, 785).
Campsomeris tasmaniensis, Sauss. (Hym. Scoliid) – Australia (A, viii, 131; x, 615; xiv, 548; Betrem, xvii, 248; Jepson, xxiv, 785).
Palpostoma testacea, R.-D. (Dipt. Muscid) - Australia (A, xi, 126; xxv, 314).
Sarcophaga calcifera, Boettch. (Dipt. Sarcophagid) - Australia (A, xxv, 314).

Scolia soror, Sm. (Hym. Scoliid) - Australia (A, iv, 344; Betrem, xvii, 248; Jepson, xxiv, 785).
Scolia verticalis, F. (Hym. Scoliid) - Australia (A, xiii, 172; Jepson, xxiv, 785).
Sturmia elzneri, Towns. (Dipt. Tachinid) - Australia (Parasite records from G. A. K. Marshall).

Leptinotarsa decemlineata, Say (Chrysomelid)
Anaphes pratensis, Först. (Hym. Mymarid) - France (A, xxiii, 482).
Doryphorophaga aberrans, Towns. (Dipt. Tachinid) - U.S.A. (A, iv, 279; vii, 338; Trouvelot, xx, 561; xxiv, 142): U.S.A.-France (A, xix, 585; xx, 5; xxii, 434; Bruneteau, xxv, 650).
Doryphorophaga australis, Reinh. (Dipt. Tachinid) - U.S.A. (A, xxiv, 142).
Phorocera doryphorae, Riley (Dipt. Tachinid) - Canada (A, iv, 517; xiv, 494; xxv, 513): U.S.A. (A, vii, 338; ix, 267; xxiv, 142): U.S.A. & Canada-France (A, xix, 585; xx, 561; xxii, 434; xxv, 365, Bruneteau, 650).

Leptinotarsa defecta, Stal. (Chrysomelid)
Doryphorophaga australis, Reinh. (Dipt. Tachinid) - U.S.A. (A, xxiv, 132).

Leptostylus maculus, Say (Lamiid)
Xorides calidus, Prov. (Hym. Ichneumonid) - U.S.A. (Rohwer, A, viii, 417).

Leptura sp. (Cerambycid)
Poemenia vancouverensis, Prov. (Hym. Ichneumonid) - U.S.A. (Rohwer, A, viii, 417).
Xorides cincticornis, Cress. (Hym. Ichneumonid) - U.S.A. (Rohwer, A, viii, 417).

Leptura aurulenta, F. (Cerambycid)
Histeromerus mystacinus, Wesm. (Hym. Braconid) - England (A, xvii, 673).

Leptura mutabilis, Newm. (Cerambycid)
Oleisoprister abbotii, Westw. (Hym. Evaniid) - U.S.A. (A, x, 457).

Leptura obliterata, Hald. (Cerambycid)
Odontomerus punctatus, Cushm. (Hym. Ichneumonid) - U.S.A. (Cushman, A, xviii, 207).

Leptura proxima, Say (Cerambycid)
Xorides stigmapterus, Say (Hym. Ichneumonid) - U.S.A. (Rohwer, A, viii, 417).

Leptura rubrica, Say (or vagans, Ol.) (Cerambycid)
Arotes vicinus, Cress. (Hym. Ichneumonid) - U.S.A. (Cushman & Rohwer, A, viii, 417).

Leptura scutellata, F. (Cerambycid)
Histeromerus mystacinus, Wesm. (Hym. Braconid) - England (A, xvii, 673).

Leptura vagans, Ol. (Cerambycid)
Arotes vicinus, Cress. (Hym. Ichneumonid) - U.S.A. (Cushman & Rohwer, A, viii, 417).

Leptura vittata, Ol. (Cerambycid)
Arotes vicinus, Cress. (Hym. Ichneumonid) - U.S.A. (Cushman & Rohwer, A, viii, 417).

Leucopholis sp. (Melolonthid)
Campsomeris annulata, F. (Hym. Scoliid) - Java (Betrem, A, xvii, 248; Jepson, xxiv, 785).
Campsomeris leefmansi, Betrem (Hym. Scoliid) - Oriental region (Betrem, A, xvii, 248; xxiv, 785).
Campsomeris peregrina, Lep. (Hym. Scoliid) - Oriental region (Betrem, A, xvii, 248).
Campsomeris vaneeckei, Betrem (Hym. Scoliid) - Oriental region (Betrem, A, xvii, 248): Java (Jepson, A, xxiv, 785).

Leucopholis irrorata, Chevr. (Melolonthid)
Campsomeris annulata, F. (Hym. Scoliid) Philippines (A, xix, 574; xx, 213; Moutia, xxiii, 243; Jepson, xxiv, 785).
Campsomeris asiatica, Sauss. (Hym. Scoliid) - Philippines (A, xix, 574; xx, 213; Moutia, xxiii, 243; Jepson, xxiv, 785).
Campsomeris aureicollis, Lep. (Hym. Scoliid) - Philippines (A, xix, 574; xx, 111, 213; xxii, 147; Moutia, xxiii, 243).
Campsomeris aurulenta, Sm. (Hym. Scoliid) - Philippines (A, xx, 213; Jepson, xxiv, 785).
Campsomeris luctuosa, Sm. (Hym. Scoliid) - Philippines (A, xix, 574; xx, 213; Jepson, xxiv, 785).
Campsomeris maniensis, Sauss. (Hym. Scoliid) - Australia (A, xx, 186).
Campsomeris marginella modesta, Sm. (Hym. Scoliid) - Philippines (A, xix, 574; xx, 213).
Campsomeris quadrifasciata negrosicola, Betrem (Hym. Scoliid) Philippines (Jepson, A, xxiv, 666, 785).
Campsomeris radula, F. (Hym. Scoliid) - Australia to Philippines (A, xx, 213).
Campsomeris reticulata, Cam. (Hym. Scoliid) - Philippines (A, xix, 574; xx, 213).
Campsomeris rohweri, Betrem (Hym. Scoliid) - Philippines (Jepson, A, xxiv, 785).
Campsomeris tasmaniensis, Sauss. (Hym. Scoliid) - Australia to Philippines (A, xx, 213).
Eutrixopsis javana, Tns. (Dipt. Tachinid) - Philippines (A, xix, 575, 716).
Liacos analis, F. (Hym. Scoliid) - Philippines (A, xix, 574; xx, 213).
Scolia scutellaris, Grib. (Hym. Scoliid) - Philippines (A, xix, 574; Jepson, xxiv, 785).
Tiphia segregata, Crwf. (Hym. Scoliid) - Philippines (A, xx, 213).

Leucopholis rorida, F. (Melolonthid)
Campsomeris javana, Lep. (Hym. Scoliid) - Dutch E. Indies (Leefmans, A, xviii, 456; Jepson, xxiv, 785).
Campsomeris javana bendoredjoensis, Betrem (Hym. Scoliid) - Dutch E. Indies (Leefmans, A, xviii, 456).

Campsomeris javana quadriguttula, Burm. (Hym. Scoliid) — Dutch E. Indies (Leefmans, A, xviii, 456).
Campsomeris leefmansi, Betrem (Hym. Scoliid) - Dutch E. Indies (Leefmans, A, xviii, 456).
Campsomeris quadriguttulata bendoredjoensis, Betrem (Hym. Scoliid) - E. Java (Jepson, A, xxiv, 785).
Campsomeris quadriguttulata jepsoni, Betrem (Hym. Scoliid) - E. Java (Jepson, A, xxiv, 785).
Campsomeris quadriguttulata sericeps, Cam. (Hym. Scoliid) - Java (Jepson, A, xxiv, 785).
Campsomeris radula, F. (Hym. Scoliid) - Australia to Java (Jepson, A, xxiv, 785).

Ligyrus ebenus, DeG. (Dynastid)
Campsomeris dorsata, F. (Hym. Scoliid) - Brazil (A, xv, 409; Jepson, xxiv, 785): Guianas (A, xv, 409; xxi, 616; Jepson, xxiv, 785).

Ligyrus gibbosus, DeG. (Dynastid)
Sarcophaga rapax, Wlk. (Dipt. Sarcophagid) - U.S.A. (A, v, 285).
Sarcophaga rudis, Aldr. (Dipt. Sarcophagid) - U.S.A. (A, v, 285; xxv, 466).
Sarcophaga setulosa, Wulp (Dipt. Sarcophagid) - U.S.A. (A, v, 285).
Tiphia punctata, Rob. (Hym. Scoliid) - U.S.A. (A, vii, 256; Jepson, xxiv, 785).

Ligyrus gyas, Er. (Dynastid)
Campsomeris dorsata, F. (Hym. Scoliid) - Brazil (A, xv, 409; Jepson, xxiv, 785): Guianas (A, xv, 409; Jepson, xxiv, 785): Venezuela (Jepson, A, xxiv, 785).

Ligyrus maimon, Er. (Dynastid)
Rhamphinina discalis, Towns. (Dipt. Tachinid) - Peru (A, xvii, 100).

Ligyrus nigriceps, Schönh. (Dynastid)
Campsomeris dorsata, F. (Hym. Scoliid) - U.S.A. (Moutia, A, xxiii, 243).

Ligyrus rugiceps, Lec. (Dynastid)
Campsomeris dorsata, F. (Hym. Scoliid) - Porto Rico to U.S.A. (Jepson, A, xxiv, 785).
Megapariopsis opaca, Coq. (Dipt. Tachinid) - U.S.A. (A, xiii, 26).
Tiphia inornata, Say (Hym. Scoliid) - U.S.A. (A, xiii, 26; Jepson, xxiv, 785).

Ligyrus tumulosus, Burm. (Dynastid)
Campsomeris atrata, F. (Hym. Scoliid) - Barbados (A, i, 252).
Campsomeris dorsata, F. (Hym. Scoliid) - America (Betrem, A, xvii, 248): Antigua (A, xxiii, 449): Barbados (A, ii, 531; iii, 500; xv, 409, 410; Jepson, xxiv, 785): Porto Rico (A, ii, 48; v, 410; xi, 60; xv, 409, 410; xxiii, 114; Jepson, xxiv, 785).
Tiphia parallela, Sm. (Hym. Scoliid) - Barbados (A, i, 252; Jepson, xxiv, 785).

Limonius agonus, Say (Elaterid)
Pristocera armifera, Say (Hym. Bethylid) - U.S.A. (A, v, 73; xv, 251; Thomas, xviii, 112).

Lina vigintipunctata, Scop. See Melasoma

Liopus nebulosus, L. (Lamiid)
Ischnoceros seticornis, Kriechb. (Hym. Ichneumonid) - France (Seyrig, A, xii, 253).
Xorides albitarsis, Gr. (Hym. Ichneumonid) - France (Seyrig, A, xii, 253).
Xylonomus praecatorius, F. (Hym. Ichneumonid) - France (Seyrig, A, xii, 253).

Liparthrum albidum, Wich. (Scolytid)
Wichmannia decorata, Ruschka (Hym. Eulophid) - Istria (A, v, 95).

Liparthrum colchicum, Sem. (Scolytid)
Ecphylus caudatus, Ruschka (Hym. Braconid) - Istria (A, v, 95).

Liparus germanus, L. (Curculionid)
Rondania dimidiata, Mg. (Dipt. Tachinid) - Czechoslovakia (Kolubajiv, A, xxiii, 229).

Lixus anguinus, L. (Curculionid)
Habrocytus lixi, Sarra (Hym. Pteromalid) - Italy (A, xii, 513).
Microbracon fortipes, Wesm. (Hym. Braconid) - Italy (A, xii, 513).

Lixus junci, Boh. (Curculionid)
Arthrolysis scabricula, Nees (Hym. Miscogasterid) - Italy (A, xxiv, 361).
Eurytoma sp. (Hym. Eurytomid) - Italy (A, xviii, 561).
Eurytoma curculionum, Mayr (Hym. Eurytomid) - Italy (A, xxiii, 161; xxiv, 361).
Eurytoma tristis, Mayr (Hym. Eurytomid) - Italy (A, xxiii, 161; xxiv, 361).
Glyptomorpha castrator, F. (Hym. Braconid) - Italy (A, xxiv, 361).
Habrocytus lixi, Sarra (Hym. Pteromalid) - Italy (A, xviii, 561).
Microbracon intercessor, Nees (Hym. Braconid) - Italy (A, xviii, 561; xxiii, 161).
Nyctia halterata, Panz. (Dipt. Sarcophagid) - Italy (A, xxiv, 361).
Perilampus italicus, F. (Hym. Perilampid) - Italy (A, xviii, 561).
Picroscytoides cerasiops, Masi (Hym. Miscogasterid) - Italy (A, xviii, 561; xxiii, 161; xxiv, 361).
Pimpla roborator, F. (Hym. Ichneumonid) - Italy (A, xxiii, 161).
Zeuxia cinerea, Mg. (Dipt. Tachinid) - Italy (A, xviii, 561).

Lixus punctiventris, Boh. (Curculionid)
Ephialtes sp. (Hym. Ichneumonid) - France (A, xi, 44).
Hoplocryptus nigripes, Grav. (Hym. Ichneumonid) - France (Falcoz, Bull. Soc. ent. France, 1926, 130).

Lixus scrobicollis, Boh. (Curculionid)
Microdus simillimus, Cress. (Hym. Braconid) - U.S.A. (Muesebeck, A, xv, 294).

Lixus turbatus, Gyll. (Curculionid)
Pimpla instigator, F. (Hym. Ichneumonid) - ? (Sarra, A, xii, 513).

Longitarsus pellucidus, Foudr. (Halticid)
Perilitus basalis, Curt (Hym. Braconid) - Russia (Telenga, A, xxv, 703).

Lophobaris piperis, Mshl. (Curculionid)
Eupelmus curculionis, Ferr. (Hym. Eupelmid) - Netherland Indies (A, xxiii, 588).
Spathius piperis, Wlkn. (Hym. Braconid) - Netherland Indies (A, xix, 538)

Lucanus cervus, L. (Lucanid)
Scolia maculata maculata, Drury (Hym. Scoliid) - Palaearctic (Betrem, A, xvii, 248; Jepson, xxiv, 785).

Lyctus africanus, Lesne (Lyctid)
Sclerodermus sp. (Hym. Bethylid) - Sudan (Lesne, A, xiii, 14).

Lyctus brunneus, Steph. (Lyctid)
Cerocephala formiciformis, Westw. (Hym. Pteromalid) - Europe, N. America, New Zealand (Gourlay, A, xviii, 653).
Monolexis lycti, Cress. (Hym Braconid) - Brazil (A, xxii, 504).
Sclerodermus sp. (Hym. Bethylid) - Tonkin (Lesne, A, xiii, 14).

Lyctus impressus, Com. (Lyctid)
Monolexis lavagnei, Picard (Hym. Braconid) - France (A, viii, 432, 478).

Lyctus linearis, Goeze (Lyctid)
Eubadizon pallidipes, Nees (Hym. Braconid) - Germany, Yugoslavia (A, xx, 657).
Hecabolus utilis, Cress. (Hym. Braconid) - Canada (Treherne, A, iv, 527).
Monolexis lycti, Cress. (Hym. Braconid) - Canada (Treherne, A, iv, 527)
Perilampus micans, Dalm. (Hym. Perilampid) - Germany, Yugoslavia (A, xx, 657).

Lyctus parallelopipedus, Melsh. (Lyctid)
Monolexis lycti, Cress (Hym. Braconid) - England (A, xvi, 427).
Sclerodermus macrogaster, Ashm. (Hym. Bethylid) - England (A, xvi, 427).

Lyctus planicollis, Lec. (Lyctid)
Monolexis lycti, Cress. (Hym. Braconid) - U.S.A. (A, xiv, 293; xxv, 465).

Lyctus unipunctatus, Hbst. - See L. linearis, Goeze

Magdalis aenescens, Lec. (Curculionid)
Calyptus sp. (Hym. Braconid) - U.S.A. (A, viii, 76).
Tetrastichus sp. (Hym. Eulophid) - U.S.A. (A, viii, 76).

Magdalis armigera, Geoff. (Curculionid)
Doryctes undulatus, Ratz. (Hym Braconid) - France (A, vi, 476).

Magdalis frontalis, Gyll. (Curculionid)
Pimpla nucum, Ratz. (Hym. Ichneumonid) – Poland (A, xv, 13)

Magdalis memmonia, Gyll. (Curculionid)
Metacolus unifasciatus, Thoms. (Hym. Pteromalid) - Spain (A, xiv, 373).
Polymoria coronata, Thoms. (Hym. Eupelmid) - Spain (A, xi, 327).

Magdalis nitida, Gyll. (Curculionid)
Cenocoelius agricolator, L. (Hym. Braconid) – Czechoslovakia (Kolubajiv, A, xxiii, 229).
Striobracon laetus, Wesm. (Hym. Braconid) – Czechoslovakia (Kolubajiv, A, xxiii, 229).

Magdalis ruficornis, L. (Curculionid)
Calyptus longicaudis, Ratz. (Hym. Braconid) - Poland (A, xviii, 323).

Magdalis violacea, L. (Curculionid)
Eurytoma auricoma, Mayr (Hym. Eurytomid) – ? (A, xviii, 323).
Polymoria coronata, Thoms. (Hym. Eupelmid) - Spain (A, xi, 327).

Mechistocerus fluctiger, Fst. (Curculionid)
Ephialtes odinae, Cushm. (Hym. Ichneumonid) - India (Beeson & Chatterjee, A, xxiv, 197).
Spathius cavillator, Wlkn. (Hym. Braconid) - India (Beeson & Chatterjee, A, xxiv, 197).

Megilla maculata, DeG. (Coccinellid)
Dinocampus terminatus, Nees (Hym. Braconid) - U.S.A. (A, ii, 131).

Melanauster chinensis, Först. (Lamiid)
Aprostocetus fukutai, Miwa & Sonan (Hym. Eulophid) - Formosa (A, xxiv, 47).

Melanophila fulvoguttata, Harr. (Buprestid)
Coeloides sp. (Hym. Braconid) - Canada (A, xxiii, 450).
Odontaulacus bilobatus, Prov. (Hym. Evaniid) - U.S.A. (A, x, 457).

Melanophthalma transversalis, Gyll. (Lathridiid)
Chalcid sp. (Hym.) France (Falcoz, Bull. Soc. ent. France, 1927, 227).

Melanotus sp. (Elaterid)
Ateloglossa cinerea, Coq. (Dipt. Tachinid) - U.S.A. (A, xvii, 558; Thomas, xviii, 112).
Pristocera armifera, Say (Hym. Bethylid) - U.S.A. (A, xviii, 112).

Melasoma interrupta, F. (Chrysomelid)
Schizonotus sieboldi, Ratz. (Hym. Pteromalid) - U.S.A. (A, vi, 551).

Melasoma populi, L. (Chrysomelid)
Lypha dubia, Fall. (Dipt. Tachinid) - Europe (Baer, A, ix, 61, 252): Italy (A, ix, 472).
Meigenia bisignata, Mg. (Dipt. Tachinid) - Europe (Baer, A, ix, 61, 252).

Pteromalus sieboldi, Ratz. (Hym. Pteromalid) Italy (A, ix, 472): ? (A, vi, 551).
Steiniella callida, Mg. (Dipt. Tachinid) - Europe (Baer, A, ix, 61, 252).

Melasoma tremulae, F. (Chrysomelid)
Apanteles hoplites, Ratz. (Hym. Braconid) - Germany (A, x, 230).
Macquartia praefica, Mg. (Dipt. Tachinid) - Europe (Baer, A, ix, 61, 252).
Meigenia bisignata, Mg. (Dipt. Tachinid) - Europe (Baer, A, ix, 61, 252).
Steiniella callida, Mg. (Dipt. Tachinid) - Europe (Baer, A, ix, 61, 252).

Melasoma vigintipunctata, Scop. (Chrysomelid)
Schizonotus sieboldi, Ratz. (Hym. Pteromalid) - Germany (A, xiv, 382).

Meligethes sp. (Nitidulid)
Isurgus heterocerus, Thoms. (Hym. Ichneumonid) - Germany (A, viii, 542).

Meligethes aeneus, F. (Nitidulid)
Diospilus oleraceus, Hal. (Hym. Braconid) - Germany (A, ix, 138, 547; x, 261; xii, 26).
Isurgus heterocerus, Thoms. (Hym. Ichneumonid) - Germany (A, ix, 138).
Isurgus morionellus, Hlgr. (Hym. Ichneumonid) - Germany (A, ix, 138; xiv, 432).
Microgaster sp. (Hym. Braconid) - Russia (A, ix, 328).
Thersilochus morionellus, Hlgr. (Hym. Ichneumonid) - England (A, xvi, 9): Silesia (A, vii, 354).

Meligethes solidus, Illig. (Nitidulid)
Trombidiid larva (Acarina) - England (Harwood, Ent. Month. Mag., lx, 211 (1924)).

Melolontha sp. (Melolonthid)
Dexia vacua, Fall. (Dipt. Tachinid) - Europe (Baer, A, ix, 61, 252).
Dexiosoma caninum, F. (Dipt. Tachinid) - Europe (Baer, A, 61, 252).
Sarcophaga albiceps, Mg. (Dipt. Sarcophagid) - Europe (Baer, A, ix, 61, 252).

Melolontha hippocastani, F. (Melolonthid)
Dexia rustica, F. (Dipt. Tachinid) - Transylvania (A, xvii, 251).
Dexia vacua, Fall. (Dipt. Tachinid) - Transylvania (A, xvii, 251).
Dexiosoma caninum, F. (Dipt. Tachinid) - Transylvania (A, xvii, 251).
Microphthalma disjuncta, Wied. (Dipt. Tachinid) - Europe (Baer, A, ix, 61, 252): Russia (A, ii, 259): Transylvania (A, xvii, 251).
Muscina stabulans, Fall. (Dipt. Muscid) - Transylvania (A, xvii, 251).

Melolontha melolontha, L. (Melolonthid)
Dexia rustica, F. (Dipt. Tachinid) - Europe (Baer, A, ix, 61, 252): Transylvania (A, xvii, 251).
Dexia vacua, Fall. (Dipt. Tachinid) - Transylvania (A, xvii, 251).
Dexiosoma caninum, F. (Dipt. Tachinid) - Transylvania (A, xvii, 251).
Microphthalma disjuncta, Wied. (Dipt. Tachinid) - Transylvania (A, xvii, 251).

Muscina stabulans, Fall. (Dipt. Muscid) - Transylvania (A, xvii, 251).

MELOLONTHID sp.
Cryptomeigenia aurifacies, Walton (Dipt. Tachinid) - Porto Rico (Wolcott, A, xxii, 65).
Gymnodexia indica, Baran. (Dipt. Tachinid) - India (Sir Guy Marshall (i.l.)).
Tiphia parallela, Sm. (Hym. Scoliid) - Antigua, Barbados and Demerara (Wolcott, A, xxii, 65).

Meracantha contracta, P. de Beauv. (Tenebrionid)
Phorocera meracanthae, Greene (Dipt. Tachinid) - U.S.A. (Aldrich & Webber, A, xii, 214).

Mesodasytes caeruleus, DeG. (Dasytid)
Blacus sp. (Hym. Braconid) - Germany (Schutze & Roman, A, xix, 239).
Thersilochus sp. (Hym. Ichneumonid) - Germany (Schutze & Roman, A, xix, 239).

Metriona bivittata, Say (Cassidid)
Lydella dimmocki, Aldr. (Dipt. Tachinid)-U.S.A. (A, xxi, 241).

Mimela testaceipes, Mots. (Rutelid)
Centeter cinerea, Aldr. (Dipt. Tachinid) - Japan (A, xxv, 672).

Miridiba koreana, N. & K. (Rutelid)
Dexia ventralis, Aldr. (Dipt. Tachinid) - Japan (Clausen, King & Taranishi, A, xv, 297).

Moneilema sp. (Lamiid)
Ooencyrtus moneilemae, Gahan (Hym. Encyrtid) - U.S.A. (A, xiv, 46).
Vipio moneilemae, Gahan (Hym. Braconid) - Mexico (Gahan, A, xviii, 285).

Moneilema crassum, Lec. (Lamiid)
Ooencyrtus moneilemae, Gahan (Hym. Encyrtid) - U.S.A. (A, xiv, 357).

Moneilema ulkei, Horn. (Lamiid)
Neocatolaccus moneilemae, Gahan (Hym. Pteromalid) - U.S.A. (A, xxv, 14).

Monochamus sp. (Lamiid)
Ephialtes manifestator, L. (Hym. Ichneumonid) - Japan (Uchida, A, xvii, 191).
Phaenolobus apicalis, Mats. (Hym. Ichneumonid) - Japan (Uchida, A, xvii, 191).

Monochamus confusor, Kby. (Lamiid)
Rhyssa persuasoria, L. (Hym. Ichneumonid) - Canada (Treherne, A, iv, 527).

Monochamus grandis, Whit. (Lamiid)
Coleocentrus excitator, Poda (Hym. Ichneumonid) - Japan (Uchida, A, xvii, 191).

Monochamus luxuriosus, Bat. (Lamiid)
Coleocentrus excitator, Poda (Hym. Ichneumonid) - Japan (Uchida, A, xvii, 191).
Ephialtes mesocentrus, Grav. (Hym. Ichneumonid) - Japan (Uchida, A, xvii, 191).

Monochamus sartor, F. (Lamiid)
Helcon dentator, Nees (Hym. Braconid) - Austria (Schimitschek, A, xxiv, 340).
Rhyssa sp. (Hym. Ichneumonid) - Austria (A, xxi, 308).

Monochamus scutellatus, Say (Lamiid)
Rhyssa persuasoria, L. (Hym. Ichneumonid) - Canada (Treherne, A, iv, 527).

Monochamus sutor, L. (Lamiid)
Ephialtes tuberculatus, Fourc. (Hym. Ichneumonid) - Austria (Schimitschek, A, xxiv, 340; Beran, xxv, 642).
Helcon dentator, Nees (Hym. Braconid) - Austria (Schimitschek, A, xxiv, 340).
Helcon ruspator, L. (Hym. Braconid) - Austria (A, xxv, 642).
Mesoleptus teredo, Htg. (Hym. Ichneumonid) - Austria (Schimitschek, A, xxiv, 340).
Rhyssa sp. (Hym. Ichneumonid) - Austria (Schimitschek, A, xxi, 308).
Rhyssa amoena, Grav. (Hym. Ichneumonid) - Austria (Schimitschek, A, xxiv, 340).
Rhyssa approximator, F. (Hym. Ichneumonid) - Austria (Schimitschek, A, xxiv, 340).
Rhyssa persuasoria, L. (Hym. Ichneumonid) - Austria (Schimitschek, A, xxiv, 340).

Monochamus sutor maculatus, Mots. (Lamiid)
Ephialtes macrocentrus, Kriechb. (Hym. Ichneumonid) - Japan (Uchida, A, xvii, 191).

Monochamus sutor pellio, Germ. (Lamiid)
Ephialtes tuberculatus, Fourc. (Hym. Ichneumonid) - Japan (Uchida, A, xvii, 191).

Monohammus - See Monochamus

Mononychus punctum-album, Hbst. (Curculionid)
Dinarmus lichtensteini, Masi (Hym. Miscogasterid) - ? (A, xi, 3).

Mononychus vulpeculus, F. (Curculionid)
Pimpla inquisitoriella, D.T. (Hym. Ichneumonid) - Canada (Treherne, A, iv, 527).
Pimpla pterelas, Say (Hym. Ichneumonid) - Canada (Treherne, A, iv, 527).

Monoxia puncticollis, Say (Galerucid)
Hypostena sp. (Dipt. Tachinid) - U.S.A. (A, ix, 203).

Mordellistena sp. (Mordellid)

Tetrastichus ainsliei, Gahan (Hym. Eulophid) - U.S.A. (Gahan, A, v, 404).

Myelophilus minor Htg. (Scolytid)

Cheiropachys pulchellus, W. (Hym. Cleonymid) - ? (Feytaud, A, xvi, 289).
Cheiropachys quadrum, F. (Hym. Cleonymid) - ? (Feytaud, A, xvi, 289).
Coeloides abdominalis, Zett. (Hym. Braconid) - Russia (Greze, A, xvii, 192).
Coeloides scolyticida, Wesm. (Hym. Braconid) - Austria (Schimitschek, A, xxiv, 340).
Dendrosoter middendorfi, Ratz. (Hym. Braconid) - Austria (Schimitschek, A, xxiv, 340): Russia (Greze, A, xvii, 192).
Dendrosoter protuberans, Nees (Hym. Braconid) - Russia (A, xxiv, 654): ?(Feytaud, A, xvi, 289).
Ecphylus hylesini, Ratz. (Hym. Braconid) - Russia (Greze, A, xvii, 192).
Eurytoma auricoma, Mayr (Hym. Eurytomid) - ? (A, xviii, 323).
Phygadeuon submuticus, Thoms. (Hym. Ichneumonid) - ? (Feytaud, A, xvi, 289).
Pteromalus azureus, Ratz. (Hym. Pteromalid) - ? (Feytaud, A, xvi, 289).

Myelophilus piniperda, L. (Scolytid)

Amblymerus typographi, Ruschka (Hym. Pteromalid) - Poland (A, xix, 241).
Calyptus atricornis, Ratz. (Hym. Braconid) - Britain (A, xxv, 644).
Cheiropachys pulchellus, W. (Hym. Cleonymid) - ? (Feytaud, A, xvi, 289).
Cheiropachys quadrum, F. (Hym. Cleonymid) - ? (Feytaud, A, xvi, 289).
Coeloides abdominalis, Zett. (Hym. Braconid) - Russia (Greze, A, xvii, 192).
Dendrosoter middendorfi, Ratz. (Hym. Braconid) - Russia (Greze, A, xvii, 192): ? (Feytaud, A, xvi, 289).
Dendrosoter protuberans, Nees (Hym. Braconid) - Russia (A, xxiv, 654): ? (Feytaud, A, xvi, 289).
Hemiptarsenus unguicellus, Zett. (Hym. Eulophid) - ? (Feytaud, A, xvi, 289).
Hemiteles aestivalis, Grav. (Hym. Ichneumonid) - ? (Feytaud, A, xvi, 289).
Hemiteles melanarius, Grav. (Hym. Ichneumonid) - ? (Feytaud, A, xvi, 289).
Microbracon instabilis, Mrs. (Hym. Braconid) - ? (Feytaud, A, xvi, 289).
Microbracon palpetrator, Ratz. (Hym. Braconid) - ? (Feytaud, A, xvi, 289).
Plectiscus spilotus, Först. (Hym. Ichneumonid) - ? (Feytaud, A, xvi, 289).
Pteromalus azureus, Ratz. (Hym. Pteromalid) - Poland (A, xix, 241).
Pteromalus latreillei, Ratz. (Hym. Pteromalid) - ? (Feytaud, A, xvi, 289).
Pteromalus lunulus, Ratz. (Hym. Pteromalid) - ? (Feytaud, A, xvi, 289).
Pteromalus spinolae, Ratz. (Hym. Pteromalid) - ? (Feytaud, A, xvi, 289).

Pteromalus suspensus, Ratz. (Hym. Pteromalid) - Poland (A, xix, 241): ? (Feytaud, A, xvi, 289).
Pteromalus violaceus, Ratz. (Hym. Pteromalid) - ? (Feytaud, A, xvi, 289).
Rhopalicus brevicornis, Thoms. (Hym. Pteromalid) - Britain (Hanson, A, xxv, 644).
Rhopalicus tutela, Wlk. (Hym. Pteromalid) - Britain (Hanson, A, xxv, 644).
Rhopalicus xylophagorum, Ratz. (Hym. Pteromalid) - Britain (Hanson, A, xxv, 644).
Spathius brevicaudis, Ratz. (Hym. Braconid) - Russia (Greze, A, xvii, 192): ? (Feytaud, A, xvi, 289).

Mylabris biguttata, Gebl. (Meloid)
Anthrax oophagus, Param. (Dipt. Bombyliid) - Central Asia (A, xxiv, 595).

Mylabris scabiosae, Ol. (Meloid)
Anthrax monachus, Sack. (Dipt. Bombyliid) - Central Asia (A, xxiv, 595)

Mylabris zebraea, Mars. (Meloid)
Anastoechus mylabricida, Zekh. (Dipt. Bombyliid) - Russia (A, xxii, 242)

Myllocerus undecimpustulatus maculosus, Desbr. (Curculionid)
Dinocampus mylloceri, Wlkn. (Hym. Braconid) - India (A, xvii, 234, 541, 656; xviii, 443; Beeson & Chatterjee, xxiv, 197).

Mysia oblongoguttata, L. (Coccinellid)
Phalacrotophora fasciata, Fall. (Dipt. Phorid) - Britain (A, xiv, 218): Italy (Menozzi, A, xv, 507).

Nanophyes flavidus, Aubé (Curculionid)
Eupelmus vesicularis, Retz. (Hym. Eupelmid) - France (Falcoz, Bull. Soc. ent. France, 1926, 131).

Neoclytarlus euphorbiae, Bridw. (Cerambycid)
Sclerodermus chilonellae, Bridw. (Hym. Bethylid) - Hawaii (A, viii, 436).
Sclerodermus immigrans, Bridw. (Hym. Bethylid) - Hawaii (A, viii, 435).
Sclerodermus poecilodes, Perk. (Hym. Bethylid) - Hawaii (A, viii, 435).
Sclerodermus polynesialis, Saund. (Hym. Bethylid) - Hawaii (A, viii, 435).

Neoclytus caprea, Say (Cerambycid)
Diospilus neoclyti, Rohw. (Hym. Braconid) - U.S.A. (A, v, 404).
Xorides neoclyti, Rohw. (Hym. Ichneumonid) - U.S.A. (A, iii, 658; Rohwer, viii, 417).

Neoclytus erythrocephalus, F. (Cerambycid)
Helconidea ligator, Say (Hym. Braconid) - U.S.A. (A, x, 457).

Neomysia oblongoguttata, L. (Coccinellid)
Phalacrotophora fasciata, Fall. (Dipt. Phorid) - Britain (A, xx, 454).

Neotomicus proximus, Eichh. (Scolytid)
Coeloides bostrychorum, Gir. (Hym. Braconid) - Russia (Greze, A, xvii, 192).

Nephus vetustus, Ws. (Coccinellid)
Homalotylus vicinus, Silv. (Hym. Encyrtid) - Eritrea (A, iii, 432; Timberlake, vii, 523).

Niptus hololeucus, Fald. (Ptinid)
Cephalonomia gallicola, Ashm. (Hym. Bethylid) - Germany (A, xx, 194).

Nyctobates pennsylvanica, DeG. (Tenebrionid)
Zaommoencyrtus submicans, Gir. (Hym. Encyrtid) - N. America (A, iv, 269).

Oberea sp. (Lamiid)
Microbracon cerambycidiphagus, Mues. (Hym. Braconid) - U.S.A. (A, xiii, 411).

Oberea linearis, L. (Lamiid)
Ephialtes heteropus, Thoms. (Hym. Ichneumonid) - France (A, xxii, 716).
Phaenolobus arator, Rossi (Hym. Ichneumonid) - France (A, xxii, 716).
Pimpla triangularis, Verhoeff (Hym. Ichneumonid) - Russia (Romanova, A, xix, 563).

Ochrosidia immaculata, Ol. (Dynastid)
Tiphia sp. (Hym. Scoliid) - U.S.A. (A, xii, 398; Jepson, xxiv, 785).

Odontota sp. (Hispid)
Sympiesis sp. (Hym. Eulophid) - ? (A, xiv, 162).

Odontota dorsalis, Thnb. (Hispid)
Trichogramma minutum, Riley (Hym. Trichogrammid) - ? (Martin, A, xvi, 441).

Odontota suturalis, Thnb. (Hispid)
Trichogramma minutum, Riley (Hym. Trichogrammid) - ? (Martin, A, xvi, 441).

Odontria zealandica, White (Melolonthid)
Centeter cinerea, Aldr. (Dipt. Tachinid) - Japan to New Zealand (A, xxiii, 515).
Microphthalma michiganensis, Towns. (Dipt Tachinid) - Canada to New Zealand (A, xvii, 61).

Oeme rigida, Say (Cerambycid)
Odontobracon oemeovorus, Rohw. (Hym. Braconid) - U.S.A. (Rohwer, A, v, 404).

Olla abdominalis, Say (Coccinellid)
Dinocampus terminatus, Nees (Hym. Braconid) - Hawaii (A, vi, 351).

Oncideres cingulata, Say (Lamiid)
Pimpla conquisitor, Say (Hym. Ichneumonid) - America (Cushman, A, ix, 169; Chu (Joo-tso) & Hsia (Shen-hsui), xxv, 508): ? (Schedl, A, xix, 725).

Tetrastichus oncideridis, Gahan (Hym. Eulophid) - U.S.A. (Gahan, A, xxi, 101).

Oncideres dejeani, Thoms. (Lamiid)
Cenocoelius necator, Borg. (Hym. Braconid) - Brazil (A, xix, 760).

Oncideres putator, Thoms. (Lamiid)
Caenophanes sp. (Hym. Braconid) - U.S.A. (A, iii, 475).
Chryseida inopinata, Br. (Hym. Eurytomid) - U.S.A. (A, iii, 475).
Eurytoma sp. (Hym. Eurytomid) - U.S.A. (A, iii, 475).
Meteorus sp. (Hym. Braconid) - U.S.A. (A, iii, 475).

Opatrum sabulosum, L. (Tenebrionid)
Stomatomyia acuminata, Rond. (Dipt. Tachinid) - Russia (A, xvi, 61).

Ophonus pubescens, Mull. - See Harpalus rufipes, DeG.

Orchesia castanea, Melsh. (Melandryid)
Meteorus humilis, Cress. (Hym. Braconid) - N. America (Muesebeck, A, xi, 447).
Meteorus terebratus, Mues. (Hym. Braconid) - U.S.A. (Muesebeck, A, xi, 447).

Orchesia micans, Panz (Melandryid)
Apanteles hoplites, Ratz. (Hym. Braconid) - France (Falcoz, Bull. Soc. ent. France, 1924, p.222)
Meteorus obfuscator, Nees (Hym. Braconid) - France (A, vi, 476; Falcoz, Bull. Soc. ent. France, 1924, p.222).
Thersilochus caudatus, Hlgr. (Hym. Ichneumonid) - France (Falcoz, Bull. Soc. ent. France, 1924, p.222).

Orchestes See Rhynchaenus

Orcus chalybaeus, Boisd. (Coccinellid)
Homalotylus flaminius, Dalm. (Hym. Encyrtid) - Australia (Timberlake, A, vii, 523).

Orcus janthinus, Muls. (Coccinellid)
Homalotylus flaminius, Dalm. (Hym. Encyrtid) - Java (Timberlake, A, vii, 523).

Orcus laferti, Muls. (Coccinellid)
Homalotylus flaminius, Dalm. (Hym. Encyrtid) - Australia (Timberlake, A, vii, 523).

Orcus nummularis, Boisd. (Coccinellid)
Homalotylus flaminius, Dalm. (Hym. Encyrtid) - Australia (Timberlake, A, vii, 523).

Oryctes sp. (Dynastid)
Scolia carnifex, Coq. (Hym. Scoliid) - Ethiopia (Betrem, A, xvii, 248): Madagascar (Jepson, A, xxiv, 785).
Scolia erratica, Sm. (Hym. Scoliid) - Far East (A, v, 291; Jepson, A, xxiv, 785).

Scolia iridicolor, Sm. (Hym. Scoliid) - Madagascar-Mauritius (Jepson, A, xxiv, 785).

Oryctes bispinosus, Kust. (Dynastid)
Scolia sp. (Hym. Scoliid) - Algeria (Jepson, A, xxiv, 785).

Oryctes colonicus, Coq. (Dynastid)
Scolia oryctophaga, Coq. (Hym. Scoliid) - Ethiopia (Betrem, A, xvii, 248): Madagascar (Jepson, A, xxiv, 785).

Oryctes grypus, Ill. See O. nasicornis, L.

Oryctes insularis, Coq. (Dynastid)
Scolia oryctophaga, Coq. (Hym. Scoliid) - Ethiopia (Betrem, A, xvii, 248): Madagascar (Jepson, A, xxiv, 785).

Oryctes nasicornis, L. (Dynastid)
Sarcophaga albiceps, Mg. (Dipt. Sarcophagid) - Europe (Baer, A, ix, 61, 252).
Sarcophaga striata, F. (Dipt. Sarcophagid) - Europe (Baer, A, ix, 61, 252).
Scolia flavifrons, F. (Hym. Scoliid) - Europe (Jepson, A, xxiv, 785): ? (Dusmet y Alonso, A, xviii, 327).
Scolia maculata flavifrons, F. (Hym. Scoliid) - Palaearctic (Betrem, A, xvii, 248; Jepson, xxiv, 785).

Oryctes pyrrhus, Burm. (Dynastid)
Scolia oryctophaga, Coq. (Hym. Scoliid) - Ethiopia (Betrem, A, xvii, 248): Madagascar (Jepson, A, xxiv, 785).

Oryctes radama, Coq. - See O. pyrrhus, Burm.

Oryctes ranavalo, Coq. (Dynastid)
Scolia oryctophaga, Coq. (Hym. Scoliid) - Ethiopia (Betrem, A, xvii, 248): Madagascar (Jepson, A, xxiv, 785).

Oryctes rhinoceros, L. (Dynastid)
Campsomeris luctuosa, Sm. (Hym. Scoliid) - Dutch E. Indies (Leefmans, A, ix, 45).
Scolia azurea, Chr. (Hym. Scoliid) - Dutch E. Indies (Betrem, A, xvii, 248; Jepson, xxiv, 785): Java (Moutia, A, xxiii, 243).
Scolia oryctophaga, Coq. (Hym. Scoliid) - Mauritius-Java (Jepson, A, xxiv, 785).
Scolia procer, Ill. (Hym. Scoliid) - Dutch E. Indies (Betrem, A, xvii, 248; Jepson, xxiv, 785).
Scolia ruficeps, Sm. (Hym. Scoliid) - Malaya (A, xxv, 195).

Oryctes simiar, Coq. (Dynastid)
Scolia oryctophaga, Coq. (Hym. Scoliid) - Ethiopian region (Betrem, A, xvii, 248).

Oryctes tarandus, Ol. (Dynastid)
Campsomeris coelebs, Sich. (Hym. Scoliid) - Mauritius (A, viii, 55; Jepson, xxiv, 785).

Campsomeris pfeifferae, Sauss. (Hym. Scoliid) - Mauritius (A, viii, 55).
Campsomeris romandi, Sauss. (Hym. Scoliid) - Mauritius (A, viii, 55): Mauritius from Madagascar (A, vi, 301).
Scolia caffra, Sauss. (Hym. Scoliid) - Mauritius (A, viii, 55): Mauritius-Madagascar (A, vi, 301; Jepson, xxiv, 785).
Scolia iridicolor, Sm. (Hym. Scoliid) - Madagascar-Mauritius (A, vi, 301).
Scolia oryctophaga, Coq. (Hym. Scoliid) - Madagascar-Mauritius (A, vi, 301; xi, 134; xiii, 17; Jepson, xxiv, 785): Mauritius (A, vii, 7; viii, 55; viii, 73; ix, 511; Moutia, xxiii, 243).
Scolia viridicolor, (Hym. Scoliid) - Mauritius (A, viii, 55).

Oryzaephilus surinamensis L. - See Silvanus

Osphilia odinae, Mshl. (Curculionid)
Spathius elaboratus, Wlkn. (Hym. Braconid) - India (Beeson & Chatterjee, A, xxiv, 197).

Osphilia vitis, Mshl. (Curculionid)
Spathius elaboratus, Wlkn. (Hym. Braconid) - India (Beeson & Chatterjee, A, xxiv, 197).

Otidocephalus carinicollis, Horn (Curculionid)
Ptinobius texanus, Crwf. (Hym. Cleonymid) U.S.A. (A, v, 163).

Otiorrhynchus sp. (Curculionid)
Blacus tuberculatus, Hal. (Hym. Braconid) - France (A, vii, 465).

Otiorrhynchus laevigatus, F. (Curculionid)
Blacus tuberculatus, Hal. (Hym. Braconid) - France (Stich, A, xvii, 460).

Otiorrhynchus sulcatus, F. (Curculionid)
Blacus sp. (Hym. Braconid) - ? (A, ii, 360).
Pandelleia sexpunctata, Pand. (Dipt. Tachinid) -(Germany, A, x, 497).

Oxythyrea stictica, L. (Cetoniid)
Scolia quadripunctata, F. (Hym. Scoliid) - Palaearctic (Betrem, A, xvii, 248): Russia (A, ii, 259; Jepson, xxiv, 785).

Pachymerus sp. (Bruchid)
Aplastomorpha calandrae, How. (Hym. Pteromalid) - Java (A, vii, 526): U.S.A. (A, xi, 301).

Pachymerus gonagra, F. (Bruchid)
Microbracon sp. (Hym. Braconid) - India (Husain & Mathur, A, xii, 383).
Oedaule stringifrons, Wtstn. (Hym. Pteromalid) - India (A, x, 573; Ramakrishna Ayyar, xiii, 645).
Perisierola emigrata, Rohw. (Hym. Bethylid) - Hawaii (A, vii, 435).
Sclerodermus immigrans, Bridw. (Hym. Bethylid) - Hawaii (A, vi, 352; viii, 435).
Uscana semifumipennis, Gir. (Hym. Trichogrammid) - Hawaii (A, vi, 352; vii, 434; viii, 430, 436; xvii, 72; Swezey, xviii, 255).

Pachymerus pallidus, Ol. (Bruchid)

Euchalcidia caryobori, Hanna (Hym. Chalcid) - England (A, xxii, 273, 482): Sudan (A, xxiii, 743).

Pachytychius sparsutus; Ol. (Curculionid)
Habrocytus sp. (Hym. Pteromalid) – France (Falcoz, Bull. Soc. ent. France, 1926, p.132)

Parandra brunnea, F. (Prionid)
Odontomerus mellipes, Say (Hym Ichneumonid) U.S.A (A, iii, 671; Rohwer, viii, 417).

Parastasia bimaculata, Guer. (Rutelid)
Scolia parastasiae, Betrem (Hym. Scoliid) - Dutch E Indies (Betrem, A, xvii, 248; Jepson, xxiv, 785).

Parmena balteus, L. (Lamiid)
Trigonoderus sp. (Hym. Cleonymid) - Russia (A, xxiv, 654).

Pedinus femoralis, L. (Tenebrionid)
Stomatomyia acuminata, Rond. (Dipt. Tachinid) – Russia (A, xvi, 61).

Pelobius sp. (Hygrobiid)
Prestwichia aquatica, Lubb. (Hym. Trichogrammid) – Europe (Girault, A, ii, 310).

Phaedon armoraciae, L. (Chrysomelid)
Morinia pullula, Zett. (Dipt. Tachinid) - Europe (Baer, A, ix, 61, 252).

Phaedon cochleariae, F. (Chrysomelid)
Meigenia sp. (Dipt. Tachinid) - Russia (A, ix, 350).
Meigenia floralis, Fall. (Dipt. Tachinid) Britain (A, xiii, 451): Finland (A, xx, 78): France (A, xvii, 427; Falcoz, Bull. Soc. ent. France, 1926, p. 133).
Microbracon guttiger, Wesm. (Hym. Braconid) - Finland (A, xx, 78): Latvia (A, xx, 660).

Phloeophthorus frontalis, Ol. (Scolytid)
Cryptoxilos convergens, Mues. (Hym. Braconid) – U.S.A. (Muesebeck, A, xxiv, 818).

Phloeophthorus spinulosus, Rey (Scolytid)
Dinotus clypealis, Thoms. (Hym. Pteromalid) - Poland (A, xix, 241).
Pteromalus suspensus, Ratz. (Hym. Pteromalid) - Poland (A, xix, 241).

Phloeosinus sp. (Scolytid)
Helcostizus rufiscutum, Cushm. (Hym. Ichneumonid) - U.S.A. (A, vii, 376).

Phloeosinus bicolor, Brull. (Scolytid)
Metacolus fasciatus, Girault (Hym. Pteromalid) - Czechoslovakia (Kolubajiv, A, xxiii, 229).

Phloeosinus canadensis, Swaine (Scolytid)
Cheiropachys colon, L. (Hym. Cleonymid) - Canada (A, xx, 249).
Cinetus canadensis, Ashm. (Hym. Belytid) - Canada (A, xx, 249).

Eurytoma sp. (Hym. Eurytomid) – Canada (A, xx, 249).
Habrocytus sp. (Hym. Pteromalid) - Canada (A, xx, 249).
Spathius tomici, Ashm. (Hym. Braconid) - Canada (A, xx, 249).

Phloeosinus thuyae, Perris (Scolytid)
Trichopria hypobori, Kieff. (Hym. Diapriid) - France (A, viii, 260)

Phloeotribus caucasicus, Reitt. (Scolytid)
Ecphylus hylesini, Ratz. (Hym. Braconid) – Russia (Greze, A, xvii, 192).

Phloeotribus scarabaeoides, Bern. (Scolytid)
Cerocephala cornigera, Westw. (Hym. Pteromalid) - Italy (A, xv, 202; xx, 319).
Cheiropachys colon, L. (Hym. Cleonymid) - Italy (A, xv, 202; xx, 319).
Ecphylus sp. (Hym. Braconid) - Italy (A, xx, 319).
Eupelmus degeeri, Dalm. (Hym. Eupelmid) - Italy (A, xx, 319).
Eurytoma masii, Rus. (Hym. Eurytomid) - Italy & Sicily (A, xv, 202; xx, 319).
Rhaphitelus maculatus, Wlk. (Hym. Pteromalid) - Italy (A, xx, 319).

Phloeotrya quadrimaculata, Say (Melandryid)
Xorides calidus, Prov. (Hym. Ichneumonid) - U.S.A. (A, x, 457).

Phoracantha recurva, Newm. (Cerambycid)
Iphiaulax morleyi, Frogg. (Hym. Braconid) - Australia (A, iv, 510).
Iphiaulax phoracanthae, Frogg. (Hym. Braconid) - Australia (A, iv, 510).
Iphiaulax rubriceps, Frogg. (Hym. Braconid) - Australia (A, iv, 510).

Phthorophloeus See Phloeophthorus

Phyllognathus silenus, F. (Dynastid)
Scolia sp. (Hym. Scoliid) – Algeria (Jepson, A, xxiv, 785).

Phyllopertha sp. (Rutelid)
Dexia ventralis, Aldr. (Dipt. Tachinid) - Japan (Clausen, King & Teranishi, A, xv, 297).
Tiphia popilliavora, Rohw. (Hym. Scoliid) - Japan (Clausen, Gardner & Sato, A, xxi, 14): Chosen (Jepson, A, xxiv, 785).
Tiphia vernalis, Rohw. (Hym. Scoliid) - Korea (Clausen, Gardner & Sato, A, xxi, 14).

Phyllopertha conspurcata, Har. (Rutelid)
Tiphia notopolita alleni, Roberts (Hym. Scoliid) – Japan (Clausen, Gardner & Sato, A, xxi, 14).

Phyllopertha orientalis, Waterh. – See Anomala

Phyllopertha pallidipennis, Reitt. (Rutelid)
Tiphia notopolita alleni, Roberts (Hym. Scoliid) – Japan (Clausen, Gardner & Sato, A, xxi, 14; Jepson, xxiv, 785).

Phyllopertha pubicollis, Waterh. (Rutelid)
Centeter unicolor, Aldr. (Dipt. Tachinid) - U.S.A. (A, xxii, 412).

Tiphia bicarinata, Cam. (Hym. Scoliid) - Japan (Clausen, Gardner & Sato, A, xxi, 14; Jepson, xxiv, 785).
Tiphia brevilineata, A. & J. (Hym. Scoliid) - Japan & Korea (Clausen, Gardner & Sato; A, xxi, 14; Jepson, A, xxiv, 785).
Tiphia koreana, Rohw. (Hym. Scoliid) - Japan (Clausen, Gardner & Sato, A, xxi, 14).
Tiphia totopunctata, A. & J. (Hym. Scoliid) - Japan (Clausen, Gardner & Sato, A, xxi, 14): ? (Jepson, A, xxiv, 785).

Phyllophaga - See Lachnosterna

Phyllotreta sp. (Halticid)
Mesochorus sp. (Hym. Ichneumonid) - England (A, xix, 421).
Perilitus areolatus, Thoms. (Hym. Braconid) - England (A, xix, 421).

Phyllotreta albionica, Lec. (Halticid)
Microctonus epitricis, Vier. (Hym. Braconid) - Canada (A, xv, 380).

Phyllotreta nemorum, L. (Halticid)
Diospilus morosus, Reinh. (Hym. Braconid) - England (A, xix, 421): Russia (A, xvii, 432)
Eulophus sp. (Hym. Eulophid) - Russia (A, xvii, 432).
Perilitus aethiops, Nees (Hym. Braconid) - England (A, xix, 421).

Phyllotreta pusilla, Horn. (Halticid)
Microctonus epitricis, Vier. (Hym. Braconid) - U.S.A. (A, ix, 203)
Microctonus pusillae, Mues. (Hym. Braconid) - U.S.A. (Muesebeck, A, xxiv, 818)

Phyllotreta vittata, F. (Halticid)
Microctonus vittatae, Mues. (Hym. Braconid) - U.S.A. (Muesebeck, A, xxiv, 818).

Phymatodes alni, L. (Cerambycid)
Spathius rubidus, Rossi (Hym. Braconid) - Germany (Wagner, A, xix, 127).

Phymatodes pusillus, F. (Cerambycid)
Doryctes mutillator, Thnb. (Hym. Braconid) - Czechoslovakia (Kolubajiv, A, xxiii, 229)

Phymatodes testaceus, F. (Cerambycid)
Doryctes gallicus, Reinh. (Hym. Braconid) - France (Bonnamour, Bull. Soc. Linn. Lyon, vii, 1928, no. 3, pp. 19-20).

Phymatodes varius, F. (Cerambycid)
Xorides humeralis, Say (Hym. Ichneumonid) - U.S.A. (Rohwer, A, viii, 417).

Physonota unipunctata, Say (Cassidid)
Aprostocetus whitmani, Gir. (Hym. Eulophid) - U.S.A. (A, v, 10, 463).

Phytalus - See Lachnosterna

Phytodecta olivaceus, Först. (Chrysomelid)
Macquartia occlusa, Rond. (Dipt. Tachinid) - Europe (Baer, A, ix, 61, 252).

Phytodecta rufipes, DeG. (Chrysomelid)
Histochaeta marmorata, F. (Dipt. Tachinid) - Europe (Baer, A, ix, 61, 252).
Meigenia bisignata, Mg. (Dipt. Tachinid) - Europe (Baer, A, ix, 61, 252).

Phytonomus - See Hypera

Phytonomus posticus, Gyll. - See Hypera variabilis, Hbst.

Phytorus dilatatus, Jac. (Eumolpid)
Phytorophaga ventralis, Bezzi (Dipt. Tachinid) - Dutch E. Indies (A, xi, 563; xiii, 202).

Pissodes sp. (Curculionid)
Calyptus robustus, Ratz. (Hym. Ichneumonid) - France (Seyrig, A, xii, 253).

Pissodes harcyniae, Hbst. (Curculionid)
Coeloides abdominalis, Zett. (Hym. Braconid) - Austria (Schimitschek, A, xxiv, 340).
Ephialtes tuberculatus, Fourc. (Hym. Ichneumonid) - Austria (Schimitschek, A, xxiv, 340).
Xorides erosus, Tschek (Hym. Ichneumonid) - Austria (Schimitschek, A, xxiv, 340).

Pissodes notatus, F. (Curculionid)
Calyptus atricornis, Ratz. (Hym. Braconid) - Britain (Hanson, A, xxv, 644).
Coeloides scolyticida initiatellus, Ratz. (Hym. Braconid) - Austria (Schimitschek, A, xxiv, 340).
Doryctes obliteratus, Nees (Hym. Braconid) - Russia (Meier, A, xvi, 200).
Ephialtes crassiseta, Thoms. (Hym. Ichneumonid) - Scotland (A, xxi, 639).
Metacolus unifasciatus, Thoms. (Hym. Pteromalid) Spain (A, xiv, 373).
Rhopalicus tutela, Walk. (Hym. Pteromalid) - Britain (Hanson, A, xxv, 644).

Pissodes piceae, Ill. (Curculionid)
Coeloides abdominalis, Zett. (Hym. Braconid) - Austria (Schimitschek, A, xxiv, 340).

Pissodes pini, L. (Curculionid)
Microbracon hylobii, Ratz. (Hym. Braconid) - Sweden & Germany (A, xiii, 370).

Pissodes strobi, Peck (Curculionid)
Coeloides pissodis, Ashm. (Hym. Braconid) - U.S.A. (A, viii, 337; xviii, 247, 308, Plummer & Pillsbury, 416).

Coelopisthia suborbicularis, Prov (Hym Pteromalid) U.S.A. (Plummer & Pillsbury, A, xviii, 416).
Compsilura concinnata, Mg. (Dipt. Tachinid) – U.S.A. (A, xiv, 257).
Doryctes sp. (Hym. Braconid) – U.S.A. (Plummer & Pillsbury, A, xviii, 416).
Ephialtes comstocki, Cress. (Hym. Ichneumonid) U.S.A. (A, xviii, 308; Plummer & Pillsbury, xviii, 416).
Ephialtes nubilipennis, Vier. (Hym. Ichneumonid) – U.S.A. (A, xviii, 247).
Eucoila sp. (Hym. Cynipid) – U.S.A. (Plummer & Pillsbury, A, xviii, 416).
Eupelmus pini, Taylor (Hym. Eupelmid) – U.S.A. (A, xvi, 145; xviii, 247, 309).
Eurytoma pissodis, Gir. (Hym. Eurytomid) – U.S.A. (A, vi, 482; vii, 401; viii, 337; xiv, 581; xv, 406; xvi, 95; xviii, 247, 308; Plummer & Pillsbury, xviii, 416, 469)
Habrobraconidea bicoloripes, Vier. (Hym. Braconid) – U.S.A. (A, viii, 337; Plummer & Pillsbury, xviii, 416).
Hemiteles hydrophilus, Ashm. (Hym. Ichneumonid) – U.S.A. (Plummer & Pillsbury, A, xviii, 416).
Labena apicalis, Cress. (Hym. Ichneumonid) – U.S.A. (A, xviii, 308).
Microbracon nanus, Prov. (Hym. Braconid) – U.S.A (A, viii, 337; Plummer & Pillsbury, xviii, 416).
Microbracon pini, Mues. (Hym. Braconid) – U.S.A. (A, xiii, 411; xviii, 247, 308; Plummer & Pillsbury, xviii, 416).
Microbracon pissodes, Ashm. (Hym. Braconid) – U.S.A. (Plummer & Pillsbury, A, xviii, 416).
Muscina stabulans, Fall. (Dipt. Muscid) – U.S.A. (A, xviii, 469).
Pleurotropis sp. (Hym. Eulophid) – U.S.A. (A, xviii, 308; Plummer & Pillsbury, xviii, 416).
Pteromalus suspensus, Ratz. (Hym. Pteromalid) – U.S.A. (A, viii, 337; Plummer & Pillsbury, xviii, 416)
Rhopalicus pulchripennis, Crwf. (Hym. Pteromalid) – U.S.A. (A, xviii, 247, 308; Plummer & Pillsbury, xviii, 416).
Spathius sp. (Hym. Braconid) – U.S.A. (A, xviii, 247).
Spathius brachyurus, Ashm. (Hym. Braconid) – U.S.A. (A, viii, 337; Plummer & Pillsbury, xviii, 416).

Pissodes validirostris, C. R. Sahl. (Curculionid)
Calyptus mucronatus, Thoms. (Hym. Braconid) – Scotland (A, xxi, 639).

Pityocteines curvidens, Germ. (Scolytid)
Pteromalus puparum, L. (Hym. Pteromalid) – Czechoslovakia (Kolubajiv, A, xxiii, 229).

Pityogenes – See Ips

Pityophthorus sp. (Scolytid)
Cosmophorus pityophthori, Rohw (Hym. Braconid) – U.S.A. (A, v, 404).

Pityophthorus glabratus mauretanica, Pey. (Scolytid)
Trichopria hypobori, Kieff. (Hym. Diapriid) – Algeria (A, xxiii, 141).

Pityophthorus henscheli, Seitner (Scolytid)
Cosmophorus henscheli, Ruschka (Hym. Braconid) – Europe (A, xiii, 478, 479).

Pityophthorus knoteki, Reitt. (Scolytid)
Dinotus sp. (Hym. Pteromalid) - Bulgaria (Kolubajiv, A, xxiii, 229).

Pityophthorus micrographus, L. (Scolytid)
Pteromalus capitatus, Först. (Hym. Pteromalid) - Poland (A, xviii, 323).

Pityophthorus pubescens, Marsh. (Scolytid)
Pteromalus bidentis, Ratz. (Hym. Pteromalid) - Britain, (Hanson, A, xxv, 644).

Plagiodera rufescens, Gyll. (Chrysomelid)
Plagioderophagus niger, Bar. (Dipt. Tachinid) - India (Beeson & Chatterjee, A, xxiv, 197).

Plagiodera versicolor, Laich, (Chrysomelid)
Coelopisthia rotundiventris, Gir. (Hym. Pteromalid) - Canada (A, v, 238): U.S.A. (A, v, 162).
Pleurotropis tarsalis, Ashm. (Hym. Eulophid) - Canada (A, v, 238).
Schizonotus sieboldi, Ratz. (Hym. Pteromalid) - U.S.A. (A, xxi, 344).

Plagionotus arcuatus, L. (Cerambycid)
Ephialtes abbreviatus, Thoms. (Hym. Ichneumonid) - Germany (Wagner, A, xix, 127).
Xorides nitens, Grav. (Hym. Ichneumonid) - Czechoslovakia (Kolubajiv, A, xxiii, 229).

Platydema ellipticum, F. (Tenebrionid)
Meteorus humilis, Cress. (Hym. Braconid) - N. America (Muesebeck, A, xi, 447).

Platypus uncinatus, Bldf. (Platypid)
Monacon abruptum, Wtstn. (Hym. Perilampid) - India (A, x, 573).

Platyscelis gages, Fisch. (Tenebrionid)
Stomatomyia acuminata, Rond. (Dipt. Tachinid) - Russia (A, xvi, 61).

Plesispa reichei, Chap. (Hispid)
Ooencyrtus sp. (Hym. Encyrtid) - Java (A, xxiii, 509).
Pleurotropis detrimentosus, Gahan (Hym. Eulophid) - Java (A, xxi, 360; xxiii, 509).
Tetrastichodes plesispae, Ferr. (Hym. Eulophid) - Java (A, xxi, 360; xxiii, 509).

Plocaederus obesus, Gahan (Cerambycid)
Exobracon maculipennis, Cam. (Hym. Braconid) - India (Beeson & Chatterjee, A, xxiv, 197).

Podischnus agenor, Burm. (Dynastid)
Campsomeris sp. (Hym. Scoliid) - Guatemala (A, xxiii, 710).

Podonta nigrita, F. (Tenebrionid)
Anthrax pygarga, Lw. (Dipt. Bombyliid) - Russia (A, iii, 483).

Podontia affinis, Grond. (Halticid)
Ooencyrtus podontiae, Gahan (Hym. Encyrtid) - Dutch E. Indies (A, xi, 151): Java (Ferrière, A, xix, 538).
Schedius sp. (Hym. Encyrtid) - Java (A, xi, 23).

Podontia 14-punctata, L. (Halticid)
Ooencyrtus corbetti, Ferr. (Hym. Encyrtid) - Malaya (A, xix, 538; Corbett & Miller, A, xxi, 676).

Pogonochaerus fasciculatus, DeG. (Lamiid)
Cenocoelius agricolator, L. (Hym. Braconid) - Czechoslovakia (Kolubajiv, A, xxiii, 229).
Ephialtes manifestator, L. (Hym. Ichneumonid) - Czechoslovakia (Kolubajiv, A, xxiii, 229).
Iphiaulax extricator, Nees (Hym. Braconid) - France (A, vi, 476).

Pogonochaerus perroudi, Muls. (Lamiid)
Iphiaulax extricator, Nees (Hym. Braconid) - France (A, vi, 476).

Polycaon confertus, Lec. (Bostrychid)
Monogonogastra sp. (Hym. Braconid) - U.S.A. (A, xiv, 358).

Polydrusus impressifrons, Gyll. (Curculionid)
Diospilus polydrusi, Gahan (Hym. Braconid) - U.S.A. (A, v, 327).

Polydrusus pilosulus, Chevr. (Curculionid)
Pygostolus falcatus, Nees (Hym. Braconid) - Spain (A, xii, 146; Stich, xvii, 460).

Polygraphus poligraphus, L. (Scolytid)
Amblymerus typographi, Ruschka (Hym. Pteromalid) - Poland (A, xix, 241).
Cosmophorus klugi, Ratz. (Hym. Braconid) - Styria (A, xiii, 479).
Dinotus clypealis, Thoms. (Hym. Pteromalid) - Poland (A, xix, 241).
Pteromalus suspensus, Ratz. (Hym. Pteromalid) - Poland (A, xix, 241).
Rhoptrocerus xylophagorum, Ratz. (Hym. Pteromalid) - Poland (A, xviii, 323; xix, 241).

Polygraphus punctifrons, Thoms. (Scolytid)
Dinotus clypealis, Thoms. (Hym. Pteromalid) - Russia (A, xxiv, 654).
Rhoptrocerus xylophagorum, Ratz. (Hym. Pteromalid) - Russia (A, xxiv, 654).

Polygraphus rufipennis, Kby. (Scolytid)
Cecidostiba acuta, Prov. (Hym. Pteromalid) - U.S.A. (A, xv, 395).

Polyphylla fullo, L. (Melolonthid)
Hyperecteina polyphyllae, Vill. (Dipt. Muscid) - Russia (A, vi, 131).
Microphthalma disjuncta, Wied. (Dipt. Tachinid) - Europe (Baer, A, ix, 61, 252): Russia (A, ii, 259; xiii, 309; xvi, 218; xvii, 505).
Sarcophaga albiceps, Mg. (Dipt. Sarcophagid) - Europe (Baer, A, ix, 61, 252).
Scatophaga rufiventris, Vill. (Dipt. Muscid) - Russia (A, vi, 131).
Scolia sp. (Hym. Scoliid) - Russia (A, xvii, 505).
Scolia flavifrons haemorrhoidalis, F. (Hym. Scoliid) - Russia (A, xiii, 309; Jepson, xxiv, 785).

Scolia maculata, F. (Hym. Scoliid) - Palaearctic (Jepson, A, xxiv, 785).
Scolia maculata maculata, Dru. (Hym. Scoliid) - Palaearctic (Betrem, A, xvii, 248).
Tiphia sp. (Hym. Scoliid) - Russia (A, xiii, 309; xvii, 505; Jepson, A, xxiv, 785).
Tiphia femorata, F. (Hym. Scoliid) - Russia (A, ii, 259; Jepson, xxiv, 785).

Popillia sp. (Rutelid)
Adapsilia flaviseta, Ald. (Dipt. Ortalid) - India (Clausen, Jaynes & Gardner, A, xxii, 73).
Campsomeris sp. (Hym. Scoliid) - Korea (A, xii, 173; Jepson, xxiv, 785).
Campsomeris annulata, F. (Hym. Scoliid) - Japan (Clausen, Gardner & Sato, A, xxi, 14).
Dexia sp. (Dipt. Tachinid) - Korea (A, xii, 172).
Dexia ventralis, Ald. (Dipt. Tachinid) - Korea (A, xxii, 73).
Hamaxia incongrua, Wlk. (Dipt. Tachinid) - China, India, & Korea (A, xxii, 73).
Prosena siberita, F. (Dipt. Tachinid) - India, Korea (A, xxii, 73).
Tiphia sp. (Hym. Scoliid) - Formosa (A, xxii, 73): Korea (A, xii, 172).
Tiphia assamensis, A. & J. (Hym. Scoliid) - India (A, xxii, 73).
Tiphia clauseni, A. & J. (Hym. Scoliid) - India (A, xxii, 73).
Tiphia communis, A. & J. (Hym. Scoliid) - China (A, xxii, 73).
Tiphia matura, A. & J. (Hym. Scoliid) - India (A, xxii, 73).
Tiphia notopolita, A. & J. (Hym. Scoliid) - China, Japan & Korea (A, xxii, 73).
Tiphia popilliavora, Rohw. (Hym. Scoliid) - China and Korea (A, xxii, 73).
Tiphia vernalis, Rohw. (Hym. Scoliid) - Japan, China (A, xxii, 73): U.S.A. (A, xxii, 412).

Popillia atrocoerulea, Bates (Rutelid)
Campsomeris annulata, F. (Hym. Scoliid) - China & Japan (Betrem, A, xvii, 248; Jepson, xxiv, 785).
Tiphia koreana, Rohw. (Hym. Scoliid) - Japan and Korea (Clausen, King & Teranishi, A, xv, 297; Clausen, Gardner & Sato, xxi, 14; Jepson, xxiv, 785).
Tiphia popilliavora, Rohw. (Hym. Scoliid) - Japan and Korea (Allen & Jaynes, A, xviii, 256; Clausen, Gardner & Sato, xxi, 14; Jepson. xxiv, 785).
Tiphia vernalis, Rohw. (Hym. Scoliid) - Korea (King, A, xix, 487; Jepson, xxiv, 785).

Popillia castanoptera, Hope (Rutelid)
Dexia ventralis, Aldr. (Dipt. Tachinid) - Japan (Clausen, King & Teranishi, A, xv, 297).
Tiphia popilliavora, Rohw. (Hym. Scoliid) - Korea and Chosen (Clausen, Gardner & Sato, A, xxi, 14; Jepson, xxiv, 785).
Tiphia vernalis, Rohw. (Hym. Scoliid) - Japan and Korea (Clausen, King, & Teranishi, A, xv, 297; King, xix, 487; Clausen, Gardner & Sato, xxi, 14; Jepson, xxiv, 785).

Popillia chinensis, Friv. (Rutelid)
Tiphia vernalis, Rohw. (Hym. Scoliid) - China (Clausen, Jaynes & Gardner, A, xxii, 73).

Popillia formosana, Arr. (Rutelid)

Tiphia popilliavora, Rohw. (Hym. Scoliid) - China (Allen & Jaynes, A, xviii, 256; Clausen, Gardner & Sato, xxi, 14; Jepson, xxiv, 785).

Popillia japonica, Newm. (Rutelid)

Campsomeris sp. (Hym. Scoliid) - China, Korea & Japan to U.S.A. (A, xiv, 154; Jepson, xxiv, 785).

Campsomeris annulata, F. (Hym. Scoliid) - China, Japan and Korea (Sato A, xv, 281; 297; Betrem, xvii, 248; xxii, 73): Korea to U.S.A. (A, xiii, 338; Jepson, xxiv, 785): U.S.A. (A, xv, 443).

Campsomeris marginella modesta, Sm. (Hym. Scoliid) - Hawaii to U.S.A. (Howard, A, xii, 165; xiv, 410, 428): U.S.A. (A, xvii, 176; Jepson, xxiv, 785).

Centeter cinerea, Aldr. (Dipt. Tachinid) - Japan and Korea (A, xi, 337; xii, 172; xiv, 329; Illingworth, xiv, 542, xv, 281, 297; xxii, 73; xxiii, 515; xxv, 672): Japan to U.S.A. (A, xii, 165; xxiii, 379): U.S.A. (Smith, A, xii, 175; xiii, 338; xiv, 154, 428; xv, 443; xvi, 274, xvii, 176; xix, 487; xxi, 141).

Dexia ventralis, Aldr. (Dipt. Tachinid) - Japan and Korea (Sato, A, xv, 281, 297): U.S.A. (A, xv, 144, 443; xvii, 176; xix, 487; xx, 15).

Elis obscura, F. (Hym. Scoliid) - U.S.A. (A, xiv, 428; Jepson, xxiv, 785).

Elis quinquecincta, F. (Hym. Scoliid) - U.S.A. (A, xiv, 428; Jepson, xxiv, 785).

Eutrixa sp. (Dipt. Tachinid) - Japan (A, xii, 172).

Eutrixopsis javana, Towns. (Dipt. Tachinid) - Japan and Korea (A, xiii, 178; xv, 297; xxii, 73): Into U.S.A. (A, xiii, 338).

Hamaxia incongrua, Wlk. (Dipt. Tachinid) - Japan (A, xxii, 73).

Ochromeigenia ormioides, Towns. (Dipt. Tachinid) - China, Japan & Korea (A, xi, 337; xiv, 542; xv, 281, 297): Into U.S.A. (A, xii, 165; xiii, 338; xiv, 154).

Pexomyia genalis, Ald. (Dipt. Tachinid) - Japan (A, xxii, 73).

Prosena siberita, F. (Dipt. Tachinid) - Japan and Korea (A, xii, 172; Illingworth, xiv, 542; xv, 281, 297; xxii, 73): Into U.S.A. (A, xiii, 338; Smith & Hadley, xiv, 428): U.S.A. (Smith, A, xii, 175; xiii, 127; xiv, 154; xv, 443; xvii, 176; xix, 487).

Sarcophaga latisterna, Parker (Dipt. Sarcophagid) - U.S.A. (A, xvii, 549).

Scolia dubia, Say (Hym. Scoliid) - U.S.A. (A, xxi, 231).

Tiphia sp. (Hym. Scoliid) - Japan (Illingworth, A, xiv, 542): Into U.S.A. (A, xii, 165; xiii, 338; xiv, 154; xv, 144; Jepson, xxiv, 785): U.S.A. (A, xii, 398; xiv, 428).

Tiphia agilis, Sm. (Hym. Scoliid) - China, Japan & Korea (A, xxii, 73).

Tiphia antigenata, A. & J. (Hym. Scoliid) - U.S.A. (A, xxiii, 445).

Tiphia asericae, A. & J. (Hym. Scoliid) - China, Japan and Korea (A, xxii, 73): U.S.A. (A, xxiii, 445).

Tiphia autumnalis, Rohw. (Hym. Scoliid) - Japan (A, xii, 301; Sato, xv, 281; Jepson, xxiv, 785).

Tiphia bicarinata, Cam. (Hym. Scoliid) - Japan, Korea and China (A, xxii, 73): U.S.A. (A, xxiii, 445).

Tiphia biseculata, A. & J. (Hym. Scoliid) - Japan (A, xxii, 73): U.S.A. (A, xxiii, 444).

Tiphia brevilineata, A. & J. (Hym. Scoliid) - Korea (A, xxii, 73).

Tiphia koreana, Rohw. (Hym. Scoliid) - Korea (A, xv, 251, 297; xxii, 73; Jepson, xxiv, 785).
Tiphia malayana, Cam. (Hym. Scoliid) - China and Korea (A, xxii, 73).
Tiphia notopolita alleni, Roberts (Hym. Scoliid) - China (A, xxii, 73).
Tiphia ovidorsalis, A. & J. (Hym. Scoliid) - Korea (A, xxii, 73).
Tiphia phyllophagae, A. & J. (Hym. Scoliid) - China and Korea (A, xxii, 73)
Tiphia popilliavora, Rohw. (Hym. Scoliid) - Japan and Korea (A, xii, 301; Sato, xv, 281, 297; Clausen, Gardner & Sato, xxi, 14; xxii, 73): Into U.S.A. (A, xiii, 338; Jepson, xxiv, 785): U.S.A. (A, xv, 443; xvi, 274; xvii, 176; xviii, 411; xix, 200, 487; xx, 104; xxi, 141; xxii, 415; xxiii, 381, 444; xxv, 678).
Tiphia pullivora, A. & J. (Hym. Scoliid) - India (A, xxii, 73): U.S.A. (A, xxiii, 444).
Tiphia totopunctata, A. & J. (Hym. Scoliid) - Korea and China (A, xxii, 73): U.S.A. (A, xxiii, 445).
Tiphia vernalis, Rohw. (Hym. Scoliid) - Japan and Korea (A, xii, 301; Sato, xv, 281, 297): Into U.S.A. (A, xiii, 338; xxiii, 379; Jepson, xxiv, 785): U.S.A. (A, xv, 443; xvii, 176; xix, 487; xx, 215; xxii, 412, 413; xxiii, 382, 444).
Trophops clauseni, Aldr. (Dipt. Tachinid) - Japan (A, xx, 568; xxii, 73).

Popillia mutans, Newm. (Rutelid)
Ochromeigenia ormioides, Towns. (Dipt. Tachinid) - Korea (A, xv, 297).
Tiphia brevilineata, A. & J. (Hym. Scoliid) - Japan and Korea (Clausen, Gardner and Sato, A, xxi, 14; Jepson, xxiv, 785).

Popillia quadriguttata, F. (Rutelid)
Tiphia vernalis, Rohw. (Hym. Scoliid) - Korea (A, xxii, 412).

Potosia aeruginosa, Dru. (Cetoniid)
Billaea microcera, Rond. (Dipt. Tachinid) - Europe (Baer, A, ix, 61, 252).

Potosia cuprea, F. (Cetoniid)
Billaea pectinata, Mg. (Dipt. Tachinid) - Europe (Baer, A, ix, 61, 252).
Scolia hirta, Schr. (Hym. Scoliid) - Palaearctic (Betrem, A, xvii, 248; Jepson, xxiv, 785).

Potosia mori, F. (Cetoniid)
Scolia hirta, Schr. (Hym. Scoliid) - Palaearctic (Betrem, A, xvii, 248; Jepson, xxiv, 785).

Prepodes vittatus, L. (Curculionid)
Campsomeris atrata, F. (Hym. Scoliid) - America (Betrem, A, xvii, 248): Barbados (A, i, 252): Jamaica (Jepson, A, xxiv, 785).

Prepodes quadrivittatus, Ol. (Curculionid)
Tetrastichus haitiensis, Gahan (Hym. Eulophid) - Haiti (Myers, A, xix, 538).

Prionus coriarius, L. (Prionid)
Billaea pectinata, Mg. (Dipt. Tachinid) - Europe (Baer, A, ix, 61, 252).

Billaea subrotundota, Rond. (Dipt. Tachinid) - Europe (Baer, A, ix, 61, 252).

Prionus insularis, Mots. (Prionid)
Ephialtes macropunctata, Uch. (Hym. Ichneumonid) - Japan (Uchida, A, xvii, 191).

Promecotheca sp. (Hispid)
Achrysocharella orientalis, Ferr. (Hym. Eulophid) - Java (A, xxi, 360).
Achrysocharis promecothecae, Ferr. (Hym. Eulophid) - Java (A, xix, 538; xxi, 360).
Closterocerus splendens, Kow. (Hym. Eulophid) - New Guinea (A, xxi, 360).
Dimmockia javanica, Ferr. (Hym. Eulophid) - Java (A, xxi, 360).
Pleurotropis detrimentosus, Gahan (Hym. Eulophid) - Java (A, xxi, 360).
Pleurotropis painei, Ferr. (Hym. Eulophid) - Java (A, xxi, 360).
Pleurotropis parvulus, Ferr. (Hym. Eulophid) - Java (A, xxi, 360).

Promecotheca bicolor, Maulik (Hispid)
Oligosita utilis, Kow. (Hym. Trichogrammid) - Fiji (A, xxi, 360).
Tetrastichus taylori, Ferr. (Hym. Eulophid) - Fiji (A, xxi, 360).

Promecotheca cumingi, Baly (Hispid)
Achrysocharis promecothecae, Ferr. (Hym. Eulophid) - Philippines (A, xxiv, 325).
Centrodora sp. (Hym. Aphelinid) - Philippines (A, xxiv, 325).
Pleurotropis sp. (Hym. Eulophid) - Phillipines (A, xxiv, 325).
Sympiesis sp. (Hym. Eulophid) - Philippines (A, xxiv, 325).

Promecotheca nuciferae, Maulik (Hispid)
Achrysocharella orientalis, Ferr. (Hym. Eulophid) - Java (A, xxv, 191).
Achrysocharis promecothecae, Ferr. (Hym. Eulophid) - Java (Taylor, A, xxv, 191).
Cirrospilus sp. (Hym. Eulophid) - Java (Taylor, A, xxv, 191).
Dimmockia javanica, Ferr. (Hym. Eulophid) - Java (Taylor, A, xxv, 191).
Opius sp. (Hym. Braconid) - Java (Taylor, A, xxv, 191).
Pleurotropis detrimentosus, Gahan (Hym. Eulophid) - Java (Taylor, A, xxv, 191).
Pleurotropis painei, Ferr. (Hym. Eulophid) - Java (Taylor, A, xxv, 191).
Pleurotropis parvulus, Ferr. (Hym. Eulophid) - Java (Taylor, A, xxv, 191).
Polysphincta sp. (Hym. Ichneumonid) - Java (Taylor, A, xxv, 191).

Promecotheca opacicollis, Cestro (Hispid)
Closterocerus splendens, Kow. (Hym. Eulophid) - New Hebrides (A, vii, 458; xii, 298; Simmonds, xiv, 103; xxi, 360; xxiii, 204, 547).
Entedon sp. (Hym. Eulophid) - New Hebrides (A, vii, 458).
Oligosita utilis, Kow. (Hym. Trichogrammid) - New Hebrides (A, vii, 458; xii, 298; Simmonds, xiv, 103; xxiii, 204, 547).

Promecotheca papuana, Csiki (Hispid)
Anastatus sp. (Hym. Eupelmid) - New Guinea (A, xxiv, 467).
Entedon sp. (Hym. Eulophid) - New Guinea (A, xxiv, 467).

Promecotheca reichei, Baly (Hispid)
Chaetostricha sp. (Hym. Trichogrammid) - Fiji (A, x, 593; xx, 722).

Elasmus sp. (Hym. Elasmid) - Fiji (A, x, 593; Simmonds, xiv, 103; xx, 722).
Elasmus hispidarum, Ferr. (Hym. Elasmid) - Fiji (A, xxi, 359; Taylor, xxv, 191).
Eupelmus sp. (Hym. Eupelmid) - Fiji (A, xxv, 191).
Oligosita utilis, Kow. (Hym. Trichogrammid) - Fiji (A, x, 527; xxi, 360; Taylor, xxv, 191): Pacific Islands (A, xiv, 103).
Pleurotropis parvulus, Ferr. (Hym. Eulophid) - Fiji (A, xxv, 323, 588): Java-Fiji (A, xxv, 191).
Tetrastichus taylori, Ferr. (Hym. Eulophid) - Fiji (A, xxi, 360; Taylor, xxv, 191).

Protaetia fusca, Hbst. (Cetoniid)
Scolia vollenhoveni, Sauss. (Hym. Scoliid) - Malaya (Corbett & Miller, A, xxi, 676, 677; Jepson, xxiv, 785).

Pseudanthonomus validus, Dietz (Curculionid)
Catolaccus sp. (Hym. Pteromalid) - U.S.A. (A, iv, 263).

Pseudibidion unicolor, Rand. (Cerambycid)
Agonocryptus discoidaloides, Vier. (Hym. Ichneumonid) - U.S.A. (Cushman, A, xvii, 303).

Pseudoholophylla furfuracea, Burm. (Melolonthid)
Campsomeris aureicollis, Lep. (Hym. Scoliid) - Australia (A, xxi, 150).
Microphthalma michiganensis, Tns. (Dipt. Tachinid) - Australia (A, xxii, 170).

Psilopholis grandis, Cast. (Melolonthid)
Campsomeris sp. (Hym. Scoliid) - Malaya (A, xx, 600).
Campsomeris iris, Lep. (Hym. Scoliid) - Malaya (Corbett & Miller, A, xxi, 676).
Campsomeris javana, Lep. (Hym. Scoliid) - Malaya (A, xx, 398, 728; Jepson, xxiv, 785; xxv, 98).
Campsomeris pulchrivestita, Cam. (Hym. Scoliid) - Malaya (A, xx, 398, 728; Corbett & Miller, xxi, 676; Jepson, xxiv, 785; xxv, 98).

Psylliodes attenuata, Koch (Halticid)
Perilitus basalis, Curt. (Hym. Braconid) - Russia (Telenga, A, xxv, 703).
Perilitus bicolor, Wesm. (Hym. Braconid) - Russia (A, xxiv, 585).
Perilitus labilis, Ruthe (Hym. Braconid) - Russia (A, xxiv, 585).

Pteleobius kraatzi, Eichh. (Scolytid)
Ecphylus hylesini, Ratz. (Hym. Braconid) - Russia (Greze, A, xvii, 192).

Pteleobius vittatus, F. (Scolytid)
Apanteles emarginatus, Nees (Hym. Braconid) - Austria (Schimitschek, A, xxiv, 340).
Cosmophorus sp. (Hym. Braconid) - Europe (A, xiii, 478).
Ecphylus hylesini, Ratz. (Hym. Braconid) - Russia (Greze, A, xvii, 192).

Pterostichus madidus, F. ? (Carabid)
Exallonyx ater, Nees (Hym. Proctotrupid) - England (Bayford, Ent. Month. Mag., lx, 233, 1924).

Pterostichus niger, Schall. (Carabid)
Phaenoserphus viator, Hal. (Hym. Proctotrupid) - England (A, xvii, 547; xviii, 326).

Ptilineurus marmoratus, Reitt. (Anobiid)
Sclerodermus nipponicus, Yuasa (Hym. Bethylid) - Japan (A, xviii, 614).

Ptilinus pectinicornis, L. (Anobiid)
Hecabolus sulcatus, Curt (Hym. Braconid) - Austria (Schimitschek, A, xxiv, 340): Russia (Meier, A, xvi, 200).
Hemiteles completus, Ratz. (Hym. Ichneumonid) - Russia (Meier, A, xvi, 200).
Spathius exarator, L. (Hym. Braconid) - Russia (Meier, A, xvi, 200).

Ptinus fur, L. (Ptinid)
Doryctes leucogaster, Nees (Hym. Braconid) - Europe (Fahringer, A, x, 497).
Lariophagus distinguendus, Först. (Hym. Pteromalid) - Germany (A, xxi, 619; xxiii, 512).

Ptinus tectus, Boield (Ptinid)
Cephalonomia gallicola, Ashm. (Hym. Bethylid) - Germany (A, xx, 194).

Purpuricenus axillaris, Hald. (Cerambycid)
Helconidea ligator, Say (Hym. Braconid) - U.S.A. (A, x, 457).

Purpuricenus kaehleri, L. (Cerambycid)
Pristaulacus bimaculatus, Kieff. (Hym. Evaniid) - France (A, vi, 318).

Pyrrhidium sanguineum, L. (Cerambycid)
Dibrachys cavus, Wlk. (Hym. Pteromalid) - Czechoslovakia (Kolubajiv, A, xxiii, 229).
Xylonomus filiformis, Grav. (Hym. Ichneumonid) Europe (Fahringer, A, x, 497)
Xylonomus praecatorius, F. (Hym. Ichneumonid) - Europe (Fahringer, A, x, 497).
Zenillia vulgaris, Fall. (Dipt. Tachinid) - Czechoslovakia (Kolubajiv, A, xxiii, 229).

Quedius sp. (Staphylinid)
Exallonyx ligatus talpae, Kieff. (Hym. Proctotrupid) - Denmark (Falcoz, Bull. Soc. ent. France, 1924, p. 221).

Quedius ochripennis, Men. (Staphylinid)
Phygadeuon grandiceps, Thoms. (Hym. Ichneumonid) - France (Falcoz, Bull. Soc. ent. France, 1924, p. 221).

Rhabdocnemis obscura, Boisd. (Curculionid)

Anaphoidea calendrae, Gahan (Hym Mymarid) - Hawaii (A, xviii, 588).
Ceromasia sphenophori, Vill (Dipt Tachinid) - Australia (A, vii, 80, 109, 167; viii, 79; ix, 89, 219, 531; xiii, 172, 285, 452, 641; xiv, 127, 548; xvi, 146; xvii, 240; xix, 256; xx, 186; xxi, 151; xxii, 169; Moutia, xxiii, 243; xxiv, 273): Dutch E. Indies (Leefmans, A, xviii, 456): Fiji (A, xiv, 334; Simmonds, xx, 722; Moutia, xxiii, 243; xxiv,

435): Guam (A, xvii, 48; xix, 197): Hawaii (A, iii, 133, 757; vi, 52, 275, 351; vii, 412; xii, 199; xiii, 287; Imms, xiv, 511; xv, 319, 321; xvi, 448; xvii, 72; xviii, 588; xxi, 493; Moutia, xxiii, 243; xxv, 613): Hawaii to Fiji (A, iii, 88; ix, 496): New Guinea to Hawaii (Swezey, A, xiii, 86).

Rhadinomerus fluctiger, Fst. - See Mechistocerus

Rhagium bifasciatum, F. (Cerambycid)
Ischnoceros filicornis, Kriechb. (Hym. Ichneumonid) - Eire (Stelfox, Ent. Month. Mag. lxiv, p.278, 1928).

Rhagium inquisitor, L. (Cerambycid)
- Atanycolus initiator, Nees (Hym. Ichneumonid) - France (Seyrig, A, xii, 253).
Doryctes leucogaster, Nees (Hym. Braconid) - Europe (Fahringer, A, x, 497)
Ephialtes dux, Tschek (Hym. Ichneumonid) - France (Seyrig, A, xii, 253).
Ephialtes planifrons, Th. (Hym. Ichneumonid) - France (Seyrig, A, xii, 253).
Ephialtes tuberculatus, Fourc. (Hym. Ichneumonid) - France (Seyrig, A, xii, 253).
Ischnoceros seticornis, Kriechb. (Hym. Ichneumonid) - France (Seyrig, A, xii, 253).
Sichelia filiformis, Grav. (Hym. Ichneumonid) - France (Seyrig, A, xii, 253).
Xorides collaris, Gr. (Hym. Ichneumonid) - Austria (Schimitschek, A, xxiv, 340): France (Seyrig, A, xii, 253).
Xylonomus irrigator, F. (Hym. Ichneumonid) - France (Seyrig, A, xii, 253).

Rhagium lineatum, Ol. (Cerambycid)
- Atanycolus simplex, Cress. (Hym. Ichneumonid) - U.S.A. (A, ix, 102).

Rhagium mordax, DeG. (Cerambycid)
Ischnoceros rusticus, Fourc. (Hym. Ichneumonid) - France (A, viii, 37).
Xylonomus propinquus, Tschek. (Hym. Ichneumonid) - France (A, viii, 37).

Rhinomacer populi, L. (Curculionid)
Glypta flavolineata, Grav. (Hym. Ichneumonid) - Latvia (Ozols, A, xvii, 55).
Mesoleius variegatus, Jur. (Hym. Ichneumonid) - Latvia (Ozols, A, xvii, 55).

Rhizopertha dominica, F. (Bostrychid)
Chaetospila elegans, Westw. (Hym. Pteromalid) - ? (A, x, 106).
Lariophagus distinguendus, Först. (Hym. Pteromalid) - ? (A, x, 106).

Rhizoplatys bituberculatus, Klug. (Dynastid)
Scolia iridicolor, Sm. (Hym. Scoliid) - Ethiopian region (Betrem, A, xvii, 248; Jepson, xxiv, 785).

Rhizotrogus gravidus, Arrow (Melolonthid)
Campsomeris fax, Bradley (Hym. Scoliid) - Ethiopia (Betrem, A, xvii, 248): Mauritius (A, xi, 134; Jepson, xxiv, 785).

Rhizotrogus pallens, Arrow (Melolonthid)
Campsomeris fax, Bradley (Hym. Scoliid) - Ethiopia (Betrem, A, xvii, 248): Mauritius (A, xi, 134; Jepson, xxiv, 785).

Rhizotrogus solstitialis - See Amphimallus

Rhodobaenus tredecimpunctatus, Ill. (Curculionid)
Habrocytus rhodobaeni, Ashm. (Hym. Pteromalid) - Canada (A, xi, 302).
Pristomerus ocellatus, Cushm. (Hym. Ichneumonid) - U.S.A. (A, ix, 53).

Rhopaea subnitida Arrow (Melolonthid)
Campsomeris marginella modesta, Sm. (Hym. Scoliid) - Fiji (A, xii, 567; Simmonds, xx, 722).
Campsomeris ovalauensis, Sauss. (Hym. Scoliid) - Australia (Betrem, A, xvii, 248): Fiji (Jepson, A, xxiv, 785).

Rhopaea vestita, Arrow (Melolonthid)
Campsomeris sp. (Hym. Scoliid) - Fiji (Moutia, A, xxiii, 243).
Campsomeris marginella modesta, Sm. (Hym. Scoliid) - Fiji (A, xii, 567; Betrem, xvii, 248; Simmonds, xx, 722; Jepson, xxiv, 785).
Campsomeris ovalauensis, Sauss. (Hym. Scoliid) - Australia (Betrem, A, xvii, 248): Fiji (A, viii, 25; Jepson, xxiv, 785).

Rhynchaenus sp. (Curculionid)
Exothecus laevis, Thoms. (Hym. Braconid) - Germany (Schutze & Roman, A, xix, 239).
Phanomeris abnormis, W. (Hym. Braconid) - Germany (Schutze & Roman, A, xix, 239).
Sympiesis sp. (Hym. Eulophid) - ? (A, xiv, 162).

Rhynchaenus alni, L. (Curculionid)
Chrysocharis orchestis, Ratz. (Hym. Eulophid) - England (A, xvii, 121).
Cirrospilus pictus, Nees (Hym. Eulophid) - England (A, xvii, 121).
Habrocytus orchestis, Ratz. (Hym. Pteromalid) - England (A, xvii, 121).
Pimpla calobata, Grav. (Hym. Ichneumonid) - Europe (Fahringer, A, x, 497).
Pleurotropis sp. (Hym. Eulophid) - England (A, xvii, 121).
Pnigalio cruciatus, Ratz. (Hym. Eulophid) - England (A, xvii, 121).
Sigalphus pallidipes, Nees (Hym. Braconid) - England (A, xvii, 121).
Tetrastichus sp. (Hym. Eulophid) - England (A, xvii, 121).
Tetrastichus cyclogaster obscurata, Ruschka (Hym. Eulophid) - England (A, xvii, 121).

Rhynchaenus fagi, L. (Curculionid)
Calyptus minutus, Ratz. (Hym. Braconid) - Europe (Fahringer, A, x, 497): Russia (A, xxii, 372).
Chrysocharis boops, Thoms. (Hym. Eulophid) - Sweden (A, xiii, 163).
Eulophus longulus, Zett. (Hym. Eulophid) - Sweden (A, xiii, 163).
Eulophus pectinicornis, L. (Hym. Eulophid) - Sweden (A, xiii, 163).
Ipocoelius rotundiventris, Ruschka (Hym. Pteromalid) - Austria (A, xiii, 163).

Sigalphus pallidipes, Nees (Hym. Braconid) - England (A, viii, 331).
Tetrastichus cyclogaster, Ratz. (Hym. Eulophid) - Sweden (A, xiii, 163).
Triaspis fagi, Ratz. (Hym. Braconid) - Russia (A, xxii, 372).

Rhynchaenus pallicornis, Say (Curculionid)
Derostenus pallipes, Gahan (Hym. Eulophid) - U.S.A. (A, xii, 239, 247).
Pimpla sp. (Hym. Ichneumonid) - U.S.A. (A, xii, 239, 247).
Pleurotropis sp. (Hym. Eulophid) - U.S.A. (A, xii, 239, 247).
Sympiesis sp. (Hym. Eulophid) - U.S.A. (A, xii, 239, 247).
Zatropis incertus, Ashm. (Hym. Pteromalid) - U.S.A. (A, xii, 239, 247).

Rhynchaenus quercus, L. (Curculionid)
Calyptus minutus, Ratz. (Hym. Braconid) - Russia (A, xxii, 372).
Sigalphus pallidipes, Nees (Hym. Braconid) - England (A, viii, 331).
Triaspis fagi, Ratz. (Hym. Braconid) - Russia (A, xxii, 372).

Rhynchaenus testaceus, Müll. (Curculionid)
Tetrastichus cyclogaster obscurata, Ruschka (Hym. Eulophid) - Sweden (A, xiii, 163).
Tetrastichus pospeilovi, Kurdj. (Hym. Eulophid) - Sweden (A, xiii, 163).
Trichomalus diachymatis, Ratz. (Hym. Pteromalid) - Sweden (A, xiii, 163).
Trichogramma evanescens, Westw. (Hym. Trichogrammid) - Germany (Hase, A, xiii, 587): Turkestan (Tragardh, A, xii, 98).

Rhynchites bacchus, L. (Curculionid)
Calyptus testaceipes, Gross. (Hym. Braconid) - Russia (A, xvii, 429).
Eupelmus degeeri, Dalm. (Hym. Eupelmid) - Italy (A, vi, 295).
Microbracon kachetinus, Telenga (Hym. Braconid) - Russia (A, xxii, 145).
Microbracon rhynchiti, Gross. (Hym. Braconid) - Russia (A, xvii, 429).
Pimpla calobata, Grav. (Hym. Ichneumonid) - Russia (A, xvii, 429).
Syntomaspis sp. (Hym. Torymid) - Italy (A, vi, 295).

Rhynchites betulae, L. (Curculionid)
Microbracon sp. (Hym. Braconid) - Italy (A, ix, 473).
Microgaster sp. (Hym. Braconid) - Italy (A, ix, 473).
Pimpla sp. (Hym. Ichneumonid) - Italy (A, ix, 473).
Poropoea defilippii, Rond. (Hym. Trichogrammid) - Europe (Girault, A, ii, 310).
Trichogramma evanescens, Westw. (Hym. Trichogrammid) - Germany (Hase, A, xiii, 587): Sweden (Tragardh, A, xii, 98).

Rhynchites betuleti, F. - See Byctiscus betulae, L.

Rhynchites bicolor wickhami, Ckll. (Curculionid)
Temelucha sp. (Hym. Ichneumonid) - U.S.A. (A, xxv, 568).

Rhynchites conicus, Ill. (Curculionid)
Poropoea defilippii, Rond. (Hym. Trichogrammid) - Switzerland (A, xv, 64).

Rhynchites pauxillus, Germ. (Curculionid)
Microbracon discoideus, Wesm. (Hym. Braconid) - Russia (A, iii, 336, 533; Meier, xvi, 200).
Pteromalus sp. (Hym. Pteromalid) - Russia (A, iii, 533).

Rhynchodes ursus, White (Curculionid)
Rhyssa fractinervis, Voll. (Hym. Ichneumonid) - New Zealand (A, xvi, 67; Gourlay, xviii, 653).

Rhynchophorus ferrugineus, Ol. (Curculionid)
Scolia erratica, Sm. (Hym. Scoliid) - Dutch E. Indies (Betrem, A, xvii, 248): Far East (A, v, 291): Malaya (A, viii, 275; Jepson, xxiv, 785).

Rhyncogonus blackburni, Sharp (Curculionid)
Eupelmus rhyncogoni Perk. (Hym. Eupelmid) - Hawaii (Swezey, A, xviii, 255).

Saperda sp. (Lamiid)
Phorocera floridensis, Towns. (Dipt. Tachinid) - U.S.A. (Aldrich & Webber, A, xii, 214).

Saperda carcharias, L. (Lamiid)
Ischnoceros filicornis, Kriechb. (Hym. Ichneumonid) - Latvia (Ozols, A, xvii, 55).
Xylophrurus lanciter Grav. (Hym. Ichneumonid) - Germany (Wagner, A, xix, 127).

Saperda concolor, Lec. (Lamiid)
Pimpla pedalis, Cress. (Hym. Ichneumonid) - N. America (Cushman, A, ix, 169).

Saperda discoidea, F. (Lamiid)
Deuteroxorides caryae, Harr. (Hym. Ichneumonid) - U.S.A. (Rohwer, A, viii, 417).
Xorides albopictus, Cress. (Hym. Ichneumonid) - U.S.A. (Rohwer, A, viii, 417).

Saperda obliqua, Say (Lamiid)
Cryptoideus anthracinus, Cushm. (Hym. Ichneumonid) - U.S.A. (A, xii, 137).

Saperda populnea, L. (Lamiid)
Apanteles hoplites, Ratz. (Hym. Braconid) - France (A, x, 230; xvi, 241).
Ascogaster rufidens, Wesm. (Hym. Braconid) - Germany (Scheidter, A, viii, 356).
Atanycolus denigrator, L. (Hym. Braconid) - Germany (Scheidter, A, viii, 356).
Billaea irrorata, Mg. (Dipt. Tachinid) - Europe (Baer, A, ix, 61, 252).
Helcostizus brachycentrus, Grav. (Hym. Ichneumonid) - Germany (Scheidter, A, viii, 356).
Chelonus nigrinus, Ratz. (Hym. Braconid) - Germany (Scheidter, A, viii, 356).
Cryptus viduatorius, F. (Hym. Ichneumonid) - Germany (Scheidter, A, viii, 356).
Dacnusa gedanensis, Ratz. (Hym. Braconid) - Germany (Scheidter, A, viii, 356).
Diadromus subtilicornis, Grav. (Hym. Ichneumonid) - Germany (Scheidter, A, viii, 356).

Dionaea nitidula, Mg. (Dipt. Tachinid) - Europe (Baer, A, ix, 61, 252).
Echthrus nubeculatus, Grav. (Hym. Ichneumonid) - Germany (Scheidter, A, viii, 356).
Echthrus populneus Giraud (Hym. Ichneumonid) - Germany (Scheidter, A, viii, 356).
Entedon chalybeus, Ratz. (Hym. Eulophid) - Germany (Scheidter, A, viii, 356).
Ephialtes abbreviatus, Thoms. (Hym. Ichneumonid) - Germany (Schutze & Roman, A, xix, 239): Latvia (Ozols, A, xvii, 55).
Ephialtes carbonarius, Chr. (Hym. Ichneumonid) - Germany (Scheidter, A, viii, 356).
Ephialtes continuus, Ratz. (Hym. Ichneumonid) - Germany (Scheidter, A, viii, 356).
Ephialtes extensor, L. (Hym. Ichneumonid) - Germany (Scheidter, A, viii, 356): Russia (Meier, A, xvi, 200).
Ephialtes heteropus, Thoms. (Hym. Ichneumonid) - Germany (Scheidter, A, viii, 356).
Ephialtes insignis, Hab. (Hym. Ichneumonid) - Germany (Scheidter, A, viii, 356).
Ephialtes luteipes, Thoms. (Hym. Ichneumonid) - Germany (Scheidter, A, viii, 356): Russia (Meier, A, xvi, 200).
Ephialtes manifestator, L. (Hym. Ichneumonid) - Germany (Scheidter, A, viii, 356).
Ephialtes populneus, Ratz. (Hym. Ichneumonid) - Germany (Scheidter, A, viii, 356).
Ephialtes tuberculatus, Fourc. (Hym. Ichneumonid) - Germany (Scheidter, A, viii, 356).
Glypta ephippigera Kriechb. (Hym. Ichneumonid) - Russia (Meier, A, xvi, 200).
Habrocytus tenuicornis, Först. (Hym. Pteromalid) - Germany (Scheidter, A, viii, 356).
Hemiteles melanarius, Grav. (Hym. Ichneumonid) - Germany (Scheidter, A, viii, 356).
Hemiteles modestus, Grav. (Hym. Ichneumonid) - Germany (Scheidter, A, viii, 356).
Idiolispa analis, Grav. (Hym. Ichneumonid) - Germany (Scheidter, A, viii, 356).
Iphiaulax impostor, Scop. (Hym. Ichneumonid) - France (Seyrig, A, xii, 253).
Lycorina triangulifera, Hlgr. (Hym. Ichneumonid) - Germany (Scheidter, A, viii, 356).
Masicera silvatica, Fall. (Dipt. Tachinid) - Europe (Baer, A, ix, 61, 252).
Meteorus tabidus, Wesm. (Hym. Braconid) - Germany (Scheidter, A, viii, 356).
Microbracon multiarticulatus, Ratz. (Hym. Braconid) - Germany (Scheidter, A, viii, 356).
Pachyneuron aeneicorne, Ratz. (Hym. Pteromalid) - Germany (Scheidter, A, viii, 356).
Pelatachina tibialis, Fall. (Dipt. Tachinid) - Europe (Baer, A, ix, 61, 252).
Pimpla alternans, Grav. (Hym. Ichneumonid) - Germany (Scheidter, A, viii, 356).
Pimpla capulifera, Krb. (Hym. Ichneumonid) - Germany (Schutze & Roman, A, xix, 239).

Proscus suspicax, Wesm. (Hym. Ichneumonid) - Germany (Scheidter, A, viii, 356).
Sarcophaga albiceps, Mg. (Dipt. Sarcophagid) - Europe (Baer, A, ix, 61, 252): Germany (Scheidter, A, viii, 356).
Torymus quercinus, Boh. (Hym. Torymid) - Germany (Scheidter, A, viii, 356).
Xylophrurus lancifer, Grav. (Hym. Ichneumonid) - Germany (Scheidter, A, viii, 356).

Saperda punctata, L. (Lamiid)
Ephialtes planifrons, Thoms. (Hym. Ichneumonid) - Austria (Schimitschek, A, xxiv, 340).

Schistocaros cornutus, Pall. (Bostrychid)
Sclerodermus immigrans, Bridw. (Hym. Bethylid) - Hawaii (A, viii, 435).

Sciaphobus squalidus, Gyll. (Curculionid)
Anaphes sp. (Hym. Mymarid) - Russia (A, ii, 337).
Eulophus sp. (Hym. Eulophid) - Russia (A, ii, 337).

Scobicia chevrieri, Villa (Bostrychid)
Dendrosoter ferrugineus, Marsh. (Hym. Braconid) - France (A, vii, 236; ix, 23).
Parasclerodermia scobiciae, Kieff. (Hym. Bethylid) - France (A, ix, 23).
Spathius rubidus, Rossi (Hym. Braconid) - France (A, ix, 23).

SCOLYTID sp.
Calyptus atricornis, Ratz. (Hym. Braconid) - Britain (Hanson, A, xxv, 644).
Chaetospila elegans, Westw. (Hym. Pteromalid) - Br. Guiana (A, xxiv, 260).
Coeloides abdominalis, Zett. (Hym. Braconid) - Britain (Hanson, A, xxv, 644).
Dendrosoter hartigi, Ratz. (Hym. Braconid) - Britain (Hanson, A, xxv, 644).
Dendrosoter middendorfi, Ratz. (Hym. Braconid) - Britain (Hanson, A, xxv, 644).
Dendrosoter protuberans, Nees (Hym. Braconid) - Britain (Hanson, A, xxv, 644).
Eupelmus urozonus, Dalm. (Hym. Eupelmid) - Britain (Hanson, A, xxv, 644).
Eurytoma auricoma, Mayr (Hym. Eurytomid) - Britain (Hanson, A, xxv, 644).
Pteromalus bidentis, Ratz. (Hym. Pteromalid) - Britain (Hanson, A, xxv, 644).
Rhopalicus brevicornis, Thoms. (Hym. Pteromalid) - Britain (Hanson, A, xxv, 644).
Rhopalicus tutela, Walk. (Hym. Pteromalid) - Britain (Hanson, A, xxv, 644): Canada (Baird, A, xxv, 42).
Rhoptrocerus xylophagorum, Ratz. (Hym. Pteromalid) - Britain (Hanson, A, xxv, 644).

Scolytus sp. (Scolytid)
Coeloides scolyti, Cush. (Hym. Braconid) - U.S.A. (A, xix, 579).

Coeloides scolyticida, Wesm. (Hym. Braconid) - Holland (A, xxi, 172; xxiii, 473).

Scolytus aceris, Knot. (Scolytid)
Dendrosoter protuberans, Nees (Hym. Braconid) - Russia (Greze, A, xvii, 192; xviii, 671).

Scolytus amygdali, Guer. (Scolytid)
Cephalonomia nigricornis, Sarra (Hym. Bethylid) - Italy (A, xix, 249).
Cerocephala cornigera, Westw. (Hym. Pteromalid) - Italy and Sicily (A, xv, 202; xx, 253).
Cheiropachys colon, L. (Hym. Cleonymid) - Bulgaria (Tchorbadzhiev, A, xiii, 601; xv, 230): France (A, ix, 401): Italy and Sicily (A, xv, 202; xx, 253, 319).
Dendrosoter protuberans, Nees (Hym. Braconid) - France (A, ix, 401).
Ecphylus sp. (Hym. Braconid) - Sicily (A, xx, 253).
Ecphylus eccoptogastri, Ratz. (Hym. Braconid) - France (A, ix, 401).
Eupelmus urozonus, Dalm. (Hym. Eupelmid) - Sicily (A, xx, 253).
Eurytoma sp. (Hym. Eurytomid) - France (A, ix, 401).
Eurytoma masii, Russo (Hym. Eurytomid) - Sicily (A, xv, 202, 253).
Rhaphitelus maculatus, Wlk. (Hym. Pteromalid) - France (A, ix, 401): Sicily (A, xx, 253).
Sclerodermus sp. (Hym. Bethylid) - Sicily (A, xx, 253).
Trichopria hypobori, Kieff. (Hym. Diapriid) - France (A, viii, 260; ix, 401).

Scolytus carpini, Ratz. (Scolytid)
Dendrosoter protuberans, Nees (Hym. Braconid) - Russia (Greze, A, xvii, 192).
Ecphylus eccoptogastri, Ratz. (Hym. Braconid) - Austria (Schimitschek, A, xxiv, 340).

Scolytus destructor - See S. scolytus

Scolytus intricatus, Ratz. (Scolytid)
Cheiropachys colon, L. (Hym. Cleonymid) - Czechoslovakia (Kolubajiv, A, xxiii, 229).
Dendrosoter protuberans, Nees (Hym. Braconid) - Czechoslovakia (Kolubajiv, A, xxiii, 229).
Entedon leucogramma, Ratz. (Hym. Eulophid) - Czechoslovakia (Kolubajiv, A, xxiii, 229).
Microbracon palpebrator, Ratz. (Hym. Braconid) - Czechoslovakia (Kolubajiv, A, xxiii, 229).

Scolytus major, Stebb. (Scolytid)
Spathius generosus, Wlkn. (Hym. Braconid) - India (Beeson & Chatterjee, A, xxiv, 197).

Scolytus mali, Bechst. (Scolytid)
Cheiropachys colon, L. (Hym. Cleonymid) - Bulgaria (Tchorbadzhiev, A, xiii, 601): England (A, xxiii, 354): Poland (A, xix, 241): Spain (A, xvii, 572).
Ecphylus sp. (Hym. Braconid) - Yugoslavia (A, xx, 716).
Eurytoma ischioxanthos, Ratz. (Hym. Eurytomid) - England (A, xxiii, 354): Poland (A, xix, 241).

Eurytoma rosae, Nees (Hym. Eurytomid) - Poland (A, xix, 241).
Pteromalus bimaculatus, Nees (Hym. Pteromalid) - Austria (Schimitschek, A, xxiv, 340).
Rhaphitelus maculatus, Wlk. (Hym. Pteromalid) - Bulgaria (Tchorbadzhiev, A, xv, 230): England (A, xxiii, 354): Poland (A, xix, 241).
Rhopalicus bimaculatus, Nees var. bicaliginosus, Fahr (Hym. Pteromalid) - Austria (Schimitschek, A, xxiv, 340).

Scolytus multistriatus, Marsh. (Scolytid)
Cheiropachys colon, L. (Hym. Cleonymid) - Russia (Meier, A, xviii, 131): Spain (A, xvii, 572).
Coeloides scolyticida, Wesm. (Hym. Braconid) - Czechoslovakia (Kolubajiv, A, xxiii, 229): Holland (A, xix, 499); xxii, 339; xxv, 797): ? (A, xviii, 323).
Dendrosoter protuberans, Nees (Hym. Braconid) - Czechoslovakia (Kolubajiv, A, xxiii, 229): France (A, vii, 236): Russia (Greze, A, xvii, 192; Meier, xviii, 131).
Elachertus leucogramma, Ratz. (Hym. Eulophid) - Poland (A, xviii, 323).
Entedon leucogramma, Ratz. (Hym. Eulophid) - Czechoslovakia (Kolubajiv, A, xxiii, 229).
Eurytoma auricoma, Mayr (Hym. Eurytomid) - Poland (A, xviii, 323).
Polymoria merceti, Bol. (Hym. Eupelmid) - Spain (A, xv, 166).
Pteromalus bimaculatus, Nees (Hym. Pteromalid) - Poland (A, xviii, 323).
Rhaphitelus ladenbergi, Ratz. (Hym. Pteromalid) - Poland (A, xviii, 323).
Spathius brevicaudis, Ratz. (Hym. Braconid) - Poland (A, xviii, 323).

Scolytus pygmaeus, F. (Scolytid)
Cerocephala cornigera, Westw. (Hym. Pteromalid) - Russia (A, iv, 143).
Dendrosoter middendorfi, Ratz. (Hym. Braconid) - Czechoslovakia (Kolubajiv, A, xxiii, 229).
Ecphylus eccoptogastri, Ratz. (Hym. Braconid) - Poland (A, xviii, 323).
Ecphylus hylesini, Ratz. (Hym. Braconid) - Russia (Greze, A, xvii, 192).
Polysphincta clypeata, Hlgr. (Hym. Ichneumonid) - Czechoslovakia (Kolubajiv, A, xxiii, 229).
Pteromalus brunnicans, Ratz. (Hym. Pteromalid) - Poland (A, xviii, 32).

Scolytus ratzeburgi, Jans. (Scolytid)
Coeloides scolyticida, Wesm. (Hym. Braconid) - Poland (A, xviii, 323): Russia (Greze, A, xvii, 192).
Elachertus leucogramma, Ratz. (Hym. Eulophid) - Poland (A, xviii, 323).
Lissonota errabunda, Hlgr. (Hym. Ichneumonid) - Poland (A, xviii, 323).

Scolytus rugulosus, Ratz. (Scolytid)
Brachistes sp. (Hym. Braconid) - Canada (A, xx, 249).
Calyptus longicaudis, Ratz. (Hym. Braconid) - Poland (A, xviii, 323).
Cephalonomia nigricornis, Sarra (Hym. Bethylid) - Italy (A, xix, 249).
Cheiropachys colon, L. (Hym. Cleonymid) - Bulgaria (Tchorbadzhiev, A, xiii, 601; xv, 230): France (A, ix, 401): Germany (Wagner, A, xix, 127): Poland (A, xix, 241): Rumania (A, xix, 405): Canada (Treherne, A, iv, 527; xx, 249): U.S.A. (A, v, 175).
Cheiropachys obscuripes, Brues (Hym. Cleonymid) - Canada (A, xx, 249).
Coeloides ungularis, Thoms. (Hym. Braconid) - Russia (Meier, A, xviii, 131).
Dendrosoter protuberans, Nees (Hym. Braconid) - France (A, ix, 401).

Dinotus bidentulus, Thoms. (Hym. Pteromalid) - Poland (A, xix, 241).
Ecphylus sp. (Hym. Braconid) - Yugoslavia (A, xx, 716).
Ecphylus eccoptogastri, Ratz. (Hym. Braconid) - Bulgaria (Tchorbadzhiev, A, xiii, 601): France (A, ix, 401).
Ecphylus silesiacus, Ratz. (Hym. Braconid) - Rumania (A, xix, 405).
Elachertus leucogramma, Ratz. (Hym. Eulophid) - Poland (A, xviii, 323; xix, 241).
Entedon confinis, Ratz. (Hym. Eulophid) - Bulgaria (Tchorbadzhiev, A, xiii, 601).
Entedon tenuitarsis, Thoms. (Hym. Eulophid) - Germany (Wagner, A, xix, 127).
Eurytoma sp. (Hym. Eurytomid) - France (A, ix, 401): Canada (A, xx, 249).
Eurytoma crassineura, Ashm. (Hym. Eurytomid) - Bulgaria (Tchorbadzhiev, A, xiii, 601): Canada (A, xx, 249).
Eurytoma ischioxanthos, Ratz. (Hym. Eurytomid) - Poland (A, xix, 241).
Eurytoma obscura, Boh. (Hym. Eurytomid) - Germany (Wagner, A, xix, 127).
Homoporus crassinervis, Thoms. (Hym. Pteromalid) - Germany (Wagner, A, xix, 127).
Platygerrhus scolyti, Ashm. (Hym. Cleonymid) - Bulgaria (Tchorbadzhiev, A, xiii, 601).
Rhaphitelus maculatus, Wlk. (Hym. Pteromalid) - Bulgaria (Tchorbadzhiev, A, xiii, 601; xv, 230): France (A, ix, 401): Poland (A, xix, 241): Rumania (A, xix, 405): Russia (A, xxiv, 654).
Spathius canadensis, Ashm. (Hym. Braconid) - Canada (A, xx, 249).
Syntomaspis sp. (Hym. Torymid) - Bulgaria (Tchorbadzhiev, A, xiii, 601).
Trichopria hypobori, Kieff. (Hym. Diapriid) - France (A, viii, 260; ix, 401); Rumania (A, xix, 405).

Scolytus scolytus, L. (Scolytid)
Cheiropachys colon, L. (Hym. Cleonymid) - England (A, xxi, 397).
Coeloides scolyticida, Wesm. (Hym. Braconid) - Holland (A, xix, 499; xx, 4; xxii, 339; xxv, 797): Russia (Meier, A, xvi, 200; Greze, xvii, 192): ? (A, xviii, 323).
Elachertus leucogramma, Ratz. (Hym. Eulophid) - England (A, xxi, 397).
Phaeogenes nanus, Wesm. (Hym. Ichneumonid) - Russia (Meier, A, xviii, 131).
Pteromalus bimaculatus, Nees (Hym. Pteromalid) - Poland (A. xviii, 325).
Pteromalus brunnicans, Ratz. (Hym. Pteromalid) ? (A, xviii, 323).
Pteromalus capitatus, Först. (Hym. Pteromalid) - Poland (A, xviii, 325).

Scolytus ventralis, Lec. (Scolytid)
Cecidostiba thomsoni, Crwf. (Hym. Pteromalid) - U.S.A. (A, xxv, 522).
Coeloides brunneri, Vier. (Hym. Braconid) - U.S.A. (A, xxi, 592; xxv, 522).
Coeloides scolyti, Cushm. (Hym. Braconid) - U.S.A. (A, xxv, 522).

Scymnus sp. (Coccinellid)
Anisotylus albifrons, Ishii. (Hym. Encyrtid) - Japan (A, xiv, 141; xviii, 258; xxi, 247, 458; xxv, 304).
Homalotylus sp. (Hym. Encyrtid) - Java (A, xxv, 298).
Homalotylus scymni, Shim. (Hym. Encyrtid) - U.S.A. (Timberlake, A, vii, 523).

Syntomosphyrum taprobanes, Wtstn. (Hym. Eulophid) - Ceylon (A, iii, 443; Ramakrishna Ayyar, xiii, 645).

Scymnus americanus, Muls. (Coccinellid)
Anisotylus similis utahensis, Timb. (Hym. Encyrtid) - U.S.A. (A, vii, 523).

Scymnus bipunctatus, Kug. (Coccinellid)
Homalotylus oculatus, Gir. (Hym. Encyrtid) - Philippines (Timberlake, A, vii, 523).

Scymnus collaris, Melsh. (Coccinellid)
Anisotylus similis utahensis, Timb. (Hym. Encyrtid) - U.S.A. (Miller, A, xviii, 371).

Scymnus guttulatus, Lec. (Coccinellid)
Xenocrepis townsendi, Ashm. (Hym. Miscogasterid) - U.S.A. (A, iv, 51).

Scymnus kiesenwetteri, Muls. (Coccinellid)
Pachyneuron sp. (Hym. Pteromalid) - N. Africa (A, xviii, 84).

Scymnus lacustris, Lec. (Coccinellid)
Anisotylus similis utahensis, Timb. (Hym. Encyrtid) - U.S.A. (A, vii, 523).

Scymnus ornatus, Sic. (Coccinellid)
Homalotylus flaminius, Dalm. (Hym. Encyrtid) - French W. Africa (A, xiii, 390).
Pachyneuron sp. (Hym. Pteromalid) - French W. Africa (A, xiii, 390).
Tetrastichus sp. (Hym. Eulophid) - French W. Africa (A, xiii, 390).

Scymnus soudanensis, Sic. (Coccinellid)
Homalotylus flaminius, Dalm. (Hym. Encyrtid) - French W. Africa (A, xiii, 390).
Pachyneuron sp. (Hym. Pteromalid) - French W. Africa (A, xiii, 390).
Tetrastichus sp. (Hym. Eulophid) - French W. Africa (A, xiii, 390).

Semiadalia undecimnotata novempunctata, Fourc. (Coccinellid)
Phalacrotophora fasciata, Fall. (Dipt. Phorid) - Liguria (A, xv, 507).

Serica sp. (Melolonthid)
Campsomeris marginella modesta, Sm. (Hym. Scoliid) - Java (Jepson, A, xxiv, 785).
Prosena siberita, F. (Dipt. Tachinid) - Java (Jepson, A, xxiv, 666).
Tiphia agilis, Sm. (Hym. Scoliid) - Japan, Korea and Chosen (Clausen, Gardner & Sato, A, xxi, 14; Jepson, xxiv, 785).
Tiphia asericae, A. & J. (Hym. Scoliid) - Japan and Korea (Clausen, Gardner & Sato, A, xxi, 14; Jepson, xxiv, 785): U.S.A. (Jepson, A, xxiv, 785).
Tiphia malayana, Cam. (Hym. Scoliid) - Japan and Korea (Clausen, Gardner & Sato, A, xxi, 14; Jepson, xxiv, 785).
Tiphia ovidorsalis, A. & J. (Hym. Scoliid) - Japan and Korea (Clausen, Gardner & Sato, A, xxi, 14): ? (Jepson, A, xxiv, 785).
Tiphia parallela, Sm. (Hym. Scoliid) - Mauritius (Jepson, A, xxiv, 785).

Serica assamensis, Brenske (Melolonthid)
Tiphia sp. (Hym. Scoliid) – India (Moutia, A, xxiii, 243).

Serica orientalis, Mots. See Aserica

Serica similis, Lewis (Melolonthid)
Tiphia sp. (Hym. Scoliid) - Far East-U.S.A. (A, xxiii, 379).

Sibinia viscariae, L. (Curculionid)
Microbracon variator, Nees (Hym. Braconid) – France (Falcoz, Bull. Soc. ent. France, 1926, 131).

Silvanus surinamensis, L. (Cucujid)
Cephalonomia sp. (Hym. Bethylid) – Italy (A, xviii, 451): Australia (A, xviii, 199).
Cephalonomia tarsalis, Ashm. (Hym. Bethylid) - U.S.A. (A, xiv, 634; xviii, 285; Gahan, xix, 495).

Sinoxylon sp. (Bostrychid)
Sbeitla furax, Wlkn. (Hym. Braconid) - India (Beeson & Chatterjee, A, xxiv, 197).

Sinoxylon conigerum, Gerst. (Bostrychid)
Sclerodermus immigrans, Bridw. (Hym. Bethylid) – Hawaii (A, viii, 435).

Sinoxylon sexdentatum, Ol. (Bostrychid)
Cephalonomia formiciformis, Westw. (Hym. Bethylid) - France (A, ii, 9; iii, 10; viii, 434).
Dendrosoter ferrugineus, Marsh. (Hym. Braconid) - France (A, vi, 476).
Laelius perrisi, Kieff. (Hym. Bethylid) - France (A, viii, 434).
Laelius tibialis, Kieff. (Hym. Bethylid) - France (A, viii, 434).
Monolexis lavagnei, Picard (Hym. Braconid) - France (A, ii, 9; iii, 10; viii, 434; ix, 23).
Pteromalus bimaculatus, Nees (Hym. Pteromalid) - France (A, viii, 434)

Sitodrepa sp. (Anobiid)
Aplastomorpha calandrae, How. (Hym. Pteromalid) - India (Ramakrishna Ayyar, A, x, 183; xvi, 48; Ramakrishna Ayyar & Margabandu, xxiii, 209).
Lariophagus puncticollis, Möll. (Hym. Pteromalid) - ? (A, x, 106).

Sitodrepa panicea, L. (Anobiid)
Cephalonomia sp. (Hym. Bethylid) – Italy (A, xviii, 451).
Cephalonomia gallicola, Ashm. (Hym. Bethylid) – Germany (A, xx, 194).
Lariophagus distinguendus, Först. (Hym. Pteromalid) – Germany (A, xii, 437): U.S.A. (A, xxv, 698): ? (A, ix, 258).
Lariophagus puncticollis, Möll. (Hym. Pteromalid) – Germany (A, ix, 36).

Sitona sp. (Curculionid)
Anaphes sp. (Hym. Mymarid) – Russia (A, xvii, 434).
Leiophron lituratus, Hal. (Hym. Braconid) - Russia (A, xvii, 434).
Perilitus labilis, Ruthe (Hym. Braconid) - Russia (A, xvii, 434).

Sitona callosa, Gyll. (Curculionid)

Anaphes sp. (Hym. Mymarid) - Russia (A, xi, 154).
Perilitus sp. (Hym. Braconid) - Britain (A, x, 473).
Perilitus labilis, Ruthe (Hym. Braconid) - Russia (A, xxiv, 453).
Pygostolus falcatus, Nees (Hym. Braconid) - Germany (Andersen, A, xix, 588): Russia (A, xvii, 434; xxiv, 453).

Sitona hispidula, F. (Curculionid)
Anaphes sp. (Hym. Mymarid) - Russia (A, xi, 154)
Dinocampus rutilus, Nees (Hym. Braconid) - Britain (A, x, 473).
Leiophron sp. (Hym. Braconid) - Britain (A, x, 473).
Perilitus aethiops, Nees (Hym. Braconid) - Britain (A, x, 473).
Pygostolus falcatus, Nees (Hym. Braconid) - Britain (A, x, 374).

Sitona humeralis, Steph. (Curculionid)
Anaphes sp. (Hym. Mymarid) - Russia (A, xi, 154).
Pygostolus falcatus, Nees (Hym. Braconid) - Germany (Andersen, A, xix, 588): Russia (A, xvii, 434).

Sitona inops, Gyll. (Curculionid)
Anaphes sp. (Hym. Mymarid) - Russia (A, xi, 154).
Pygostolus falcatus, Nees (Hym. Braconid) - Germany (Andersen, A, xix, 588): Russia (A, xvii, 434).

Sitona lineata, L. (Curculionid)
Anaphes sp. (Hym. Mymarid) - Russia (A, xi, 154).
Dinocampus rutilus, Nees (Hym. Braconid) - Britain (A, ix, 170; xii, 143; xvi, 621): Germany (Andersen, A, xix, 588).
Leiophron muricatus, Hal. var. nigra . (Hym. Braconid) - Britain (A, ix, 170): Germany (Andersen, xix, 588).
Perilitus labilis, Ruthe (Hym. Braconid) - Germany (Andersen, A, xix, 588): Russia (A, xxiv, 453).
Pygostolus falcatus, Nees (Hym. Braconid) - Britain (A, ix, 170): Germany (Andersen, A, xix, 588): Russia (A, xvii, 434; xxiv, 453).

Sitona sulcifrons, Thnb. (Curculionid)
Perilitus cerealium, Hal. (Hym. Braconid) - Britain (A, x, 474).

Smicronyx fulvus, Lec. (Curculionid)
Callimome sp. (Hym. Torymid) - U.S.A. (A, iii, 753).
Zaglyptonotus schwarzi, Crwf. (Hym. Torymid) - U.S.A. (A, iii, 753).

Sphenophorus sp. (Curculionid)
Anaphoidea calendrae, Gahan (Hym. Mymarid) - U.S.A. (A, xviii, 588; xix, 529).

Sphenophorus callosus, Ol. (Curculionid)
Anaphoidea calendrae, Gahan (Hym. Mymarid) - U.S.A. (A, xv, 395).
Microbracon sphenophori, Mues. (Hym. Braconid) - U.S.A. (A, xiii, 411).
Zavipio belfragei, Cress. (Hym. Braconid) - U.S.A. (A, vii, 378).

Sphenophorus costipennis, Horn (Curculionid)
Anaphoidea calendrae, Gahan (Hym. Mymarid) - U.S.A. (A, xv, 395).

Sphenophorus destructor, Chitt. (Curculionid)
Anaphoidea calendrae, Gahan (Hym. Mymarid) - U.S.A. (A, xv, 395).

Sphenophorus incurrens, Gyll. (Curculionid)
Myiophasia metallica, Towns. (Dipt. Tachinid) - Mexico (A, xiv, 540).

Sphenophorus maidis, Chitt. (Curculionid)
Anaphoidea calendrae, Gahan (Hym. Mymarid) - U.S.A. (A, xv, 395).

Sphenophorus minimus, Hart.
Anaphoidea calendrae, Gahan (Hym. Mymarid) - U.S.A. (A, xv, 395).

Sphenophorus obscura - See Rhabdocnemis

Sphenophorus parvulus, Gyll. (Curculionid)
Anaphoidea calendrae, Gahan (Hym. Mymarid) - U.S.A. (A, xv, 395).

Sphenophorus pertinax, Ol. (Curculionid)
Anaphoidea calendrae, Gahan (Hym. Mymarid) - U.S.A. (A, xv, 395).
Cryptoideus bituminosus, Cushm. (Hym. Ichneumonid) - U.S.A. (A, xii, 137).

Sphenoptera sp. (Buprestid)
Glyptomorpha sp. (Hym. Braconid) - India (Ramakrishna Ayyar, A, ix, 214).
Glyptomorpha smeenus, Cam. (Hym. Braconid) - India (Ramakrishna Ayyar, A, xvi, 48; Ramakrishna Ayyar & Margabandu, A, xxiii, 209).
Vipio smeenus, Cam. (Hym. Braconid) - India (Ramakrishna Ayyar, A, xvi, 478).

Sphenoptera aterrima, Kerr (Buprestid)
Ephialtes iridipennis, Morl. (Hym. Ichneumonid) - India (Beeson & Chatterjee, A, xxiv, 197).

Sphenoptera foveola, Gebl. (Buprestid)
Glyptomorpha sp. (Hym. Braconid) - Russia (A, xxiv, 708).
Pteromalus sp. (Hym. Pteromalid) - Russia (A, xxiv, 708).

Sphenoptera gemellata, Mannh. - See S. laticollis, Ol.

Sphenoptera gossypii, Cotes (Buprestid)
Euderus gossypii, Ferr. (Hym. Eulophid) - Sudan and India (A, xix, 377).
Glyptomorpha andrieui, Vuil. (Hym. Braconid) - W. Africa (A, x, 409; Vayssiere & Mimeur, xiv, 6).
Lathromeris johnstoni, Wtstn. (Hym. Trichogrammid) - Sudan (A, xiv, 223; xvi, 466).
Neocatolaccus sphenopterae, Ferr. (Hym. Pteromalid) - Sudan (A, xix, 377).
Rhaconotus sudanensis, Wlkn. (Hym. Braconid) - Sudan (A, xvi, 47; Wilkinson, xviii, 635).
Vipio sp. (Hym. Braconid) - India (Husain & Mathur, A, xii, 383; xviii, 27).
Xanthopimpla punctata, F. (Hym. Ichneumonid) - India (A, viii, 99; Chu (Joo-tso) & Hsia (Shen-hsiu), xxv, 508): China, Formosa, Japan, Ceylon, Amboina, Java, Singapore, Philippines, Sumatra, Celebes, Borneo and Kei Is. (Chu (Joo-tso) & Hsia (Shen-hsia), xxv, 508).

Sphenoptera laticollis, Ol. (Buprestid)
Glyptomorpha desertor, F. (Hym. Braconid) - France (A, vi, 476).

Sphenoptera montana, B. Yak. (Buprestid)
Glyptomorpha sp (Hym Braconid) Turkestan (A, xvii, 342).

Spondylis buprestoides, L. (Cerambycid)
Ephialtes manifestator, L. (Hym. Ichneumonid) - Latvia (Ozols, A, xvii, 55).
Odontomerus pinetorum, Thoms. (Hym. Ichneumonid) - Russia (A, xxiv, 654)

Staphylinus alpestris, Er. (Staphylinid)
Serphus viator, Hal. (Hym. Proctotrupid) - ? (Balduf, A, xxiv, 154).

Steirastoma depressum, L. (Lamiid)
Ipobracon sp. (Hym. Braconid) - Trinidad (Myers, A, xix, 125): West Indies (Myers, A, xx, 512)
Ipobracon depressi, Vier. (Hym. Braconid) - Trinidad (Myers, A, xix, 538, 627): West Indies (Myers, A, xx, 512).
Ipobracon peronatus, Cam. (Hym. Braconid) - Trinidad (A, xvii, 656; Myers, xix, 538, 627): West Indies (Myers, A, xx, 512).
Ipobracon steirastomae, Vier. (Hym. Braconid) - Trinidad (Myers, A, xix, 538, 627): West Indies (Myers, A, xx, 512)
Pseudomphale steirastomae, Gir. (Hym. Eulophid) - Trinidad (A, iv, 280; Myers, xix, 538, 627): West Indies (Myers, A, xx, 512).

Stenocorus sp. (Cerambycid)
Ischnoceros filicornis, Kriechb. (Hym. Ichneumonid) - Latvia (Ozols, A, xvii, 55)
Odontomerus melanarius, Hlgr. (Hym. Ichneumonid) - Latvia (Ozols, A, xvii, 55)

Stenocorus inquisitor, L. (Cerambycid)
Ephialtes abbreviatus, Thoms. (Hym. Ichneumonid) - Latvia (Ozols, A, xvii, 55).

Stenodontes damicornis, L. (Prionid)
Sarcophaga lambens, Wied. (Dipt. Sarcophagid) - U.S.A. (Aldrich, A, xvi, 82).

Stenopelmus rufinasus, Gyll. (Curculionid)
Atritomellus laticeps, Hedicke (Hym. Calliceratid) - Germany (A, xvii, 488).

Stephanoderes coffeae, Hag. - See S. hampei, Ferr.

Stephanoderes hampei, Ferr. (Scolytid)
Calliceras dictynna, Wtstn. (Hym. Calliceratid) - Uganda (A, xi, 456): Uganda to Dutch E. Indies (A, xii, 200).
Heterospilus coffeicola, Schmied. (Hym. Braconid) - Java (A, xx, 86, 567): Belgian Congo (A, xxiii, 211, 212): Tanganyika (A, xxiii, 666): Uganda (A, xii, 201; xiv, 224; xxiv, 94, 503): Uganda to Dutch E. Indies (A, xiii, 231): Uganda to Java (A, xiii, 467).
Prorops nasuta, Wtstn. (Hym Bethylid) - Brazil (A, xxii, 186; xxiii, 344, 750; xxv, 787): Dutch E. Indies (A, xii, 200; xiv, 368, 437, 520; xvi, 165, 189; xvii, 111; xviii, 456): Java (A, xiii, 468; xv, 622; xvii,

54; xxi, 424): Malang to Medan (A, xiii, 549): Belgian Congo (A, xxiii, 211, 212): Tanganyika (A, xxiii, 666): Uganda (A, xi, 456; xii, 469; xiv, 224; xvii, 694; xx, 543; xxiv, 94, 503): Uganda to Brazil (A, xviii, 460): Uganda to Dutch E. Indies (A, xiii, 231): Uganda to Java (A, xiii, 439, 467; Moreira, xiii, 617).

Stephanopholis philippinensis, Brenske (Melolonthid)
Campsomeris annulata, F. (Hym. Scoliid) — Philippines (A, xix, 575; Moutia, xxiii, 243).
Campsomeris asiatica, Sauss (Hym. Scoliid) - Philippines (A, xix, 575; Moutia, xxiii, 243; Jepson, xxiv, 785).
Campsomeris aureicollis, Lep. (Hym. Scoliid) - Philippines (A, xix, 575; Moutia, xxiii, 243).
Campsomeris luctuosa, Sm. (Hym. Scoliid) - Philippines (A, xix, 575).
Campsomeris marginella modesta, Sm. (Hym. Scoliid) - Philippines (A, xix, 575).
Campsomeris quadrifasciata negrosicola, Betrem (Hym. Scoliid) - Philippines (Jepson, A, xxiv, 785).
Campsomeris reticulata, Cam. (Hym. Scoliid) - Philippines (A, xix, 575).
Campsomeris rohweri, Betrem (Hym. Scoliid) - Philippines (Jepson, A, xxiv, 785).
Liacos analis. F. (Hym. Scoliid) - Philippines (A, xix, 575).
Scolia scutellaris, Grib. (Hym. Scoliid) - Philippines (A, xix, 575; Jepson, xxiv, 785).

Stereonychus fraxini, DeG. (Curculionid)
Blacus ruficornis, Nees (Hym. Braconid) - Holland (A, x, 128).

Stethoxus foveolatus, Reginbart (Hydrophilid)
Sarcophaga lambens, Wied. (Dipt. Sarcophagid) - Ecuador (Aldrich, A, xvi, 82).

Strangalia aurulenta, F. — See Leptura

Strangalia bicolor, Swed. (Cerambycid)
Arotes occipitalis, Cress. (Hym. Ichneumonid) - U.S.A. (Cushman & Rohwer, A, viii, 417).

Strangalia luteicornis, F. (Cerambycid)
Odontomerus strangaliae, Rohw. (Hym. Ichneumonid) - U.S.A. (Rohwer, A, v, 404; viii, 417).
Pristaulacus strangaliae, Rohw. (Hym. Evaniid) - U.S.A. (Rohwer, A, v, 404).

Strategus sp. (Dynastid)
Sarcophaga lambens, Wied. (Dipt. Sarcophagid) — Jamaica (Aldrich, A, xvi, 82).

Strategus titanus, F. (Dynastid)
Campsomeris atrata, F. (Hym. Scoliid) — Jamaica (Moutia, A, xxiii, 243): Porto Rico (A, xv, 409; Jepson, xxiv, 785).
Sarcophaga lambens, Wied. (Dipt Sarcophagid) — Jamaica (A, v, 429).

Syagrius fulvitarsis, Pasc. (Curculionid)
Doryctes sp. (Hym. Braconid) - Australia-Hawaii (A, ix, 469).
Ischiogonus sp. (Hym. Braconid) - Australia-Hawaii (A, ix, 517).
Ischiogonus palliatus, Cam. (Hym. Braconid) - Hawaii (A, ix, 470).
Ischiogonus syagrii, Full. (Hym. Braconid) - Australia (A, x, 528): Hawaii (A, x, 87; xiv, 179; Imms. xiv, 511).

Tachypterellus consors, Dietz (Curculionid)
Entedon tachypterelli, Gahan (Hym. Eulophid) - U.S.A. (A, xix, 245).
Habrocytus lividus, Gahan (Hym. Pteromalid) - U.S.A. (A, xix, 245).

Tachypterellus consors cerasi, List (Curculionid)
Entedon tachypterelli, Gahan (Hym. Eulophid) - U.S.A. (A, xx, 703).
Eupelminus saltator, Lind (Hym. Eupelmid) - U.S.A. (A, xx, 704).
Eurytoma tylodermatis, Ashm. (Hym. Eurytomid) - U.S.A. (A, xx, 704).
Habrocytus lividus, Gahan (Hym. Pteromalid) - U.S.A. (A, xx, 704).
Habrocytus pierci, Crwf. (Hym. Pteromalid) - U.S.A. (A, xx, 704).
Microbracon tachypteri, Mues. (Hym. Braconid) - U.S.A. (A, xx, 704).
Tetrastichus sp. (Hym. Eulophid) - U.S.A. (A, xx, 704).
Zatropis incertus, Ashm. (Hym. Pteromalid) - U.S.A. (A, xx, 704).

Tachypterellus quadrigibbus, Say (Curculionid)
Entedon tachypterelli, Gahan (Hym. Eulophid) - U.S.A. (A, xxv, 345).
Eurytoma tylodermatis, Ashm. (Hym. Eurytomid) - U.S.A. (A, xxv, 344).
Habrocytus piercei, Crwf. (Hym. Pteromalid) - U.S.A. (A, xxv, 345).
Microbracon mellitor, Say (Hym. Braconid) - U.S.A. (A, xxv, 345).
Microbracon tachypteri, Mues. (Hym. Braconid) - U.S.A. (A, xxv, 345).
Triaspis curculionis, Fitch (Hym. Braconid) - U.S.A. (A, xxv, 345).
Zatropis incertus, Ashm. (Hym. Pteromalid) - U.S.A. (A, xxv, 345).

Tachypterellus quadrigibbus magnus, List (Curculionid)
Eurytoma tylodermatis, Ashm. (Hym. Eurytomid) - U.S.A. (A, xxii, 533; xxv, 25).
Microbracon tachypteri, Mues. (Hym. Braconid) - U.S.A. (A, xxv, 25; xxii, 533).
Microbracon variabilis, Prov. (Hym. Braconid) - U.S.A. (A, xxii, 533).

Taphrorychus bicolor, Hbst. (Scolytid)
Adelognathus dorsalis, Grav. (Hym. Ichneumonid) - Czechoslovakia (Kolubajiv, A, xxiii, 229).
Phaenoserphus sp. (Hym. Proctotrupid) - Czechoslovakia (Kolubajiv, A, xxiii, 229).
Spilomicrus sp. (Hym. Diapriid) - Czechoslovakia (Kolubajiv, A, xxiii, 229).

Tenebrio molitor, L. (Tenebrionid)
Nemeritis canescens, Grav. (Hym. Ichneumonid) - Czechoslovakia (Kolubajiv, A, xxiii, 229).

Tenebroides mauritanicus, L. (Trogositid)
Cephalonomia nigricornis, Sarra (Hym. Bethylid) - Italy (A, xix, 249; xx, 714).
Sclerodermus immigrans, Bridw. (Hym. Bethylid) - Hawaii (A, viii, 435).

Tetropium castaneum, L. (Cerambycid)

Helcon dentator, Nees (Hym. Braconid) - Austria (Schimitschek, A, xxiv, 340).
Mesoleptus teredo, Htg. (Hym. Ichneumonid) - Austria (Schimitschek, A, xxiv, 340).
Pyracmon austriacus, Tschek (Hym. Ichneumonid) - France (Seyrig, A, xii, 253).
Xorides collaris, Grav. (Hym. Ichneumonid) - Austria (Schimitschek, A, xxiv, 340).
Xorides nitens, Grav. (Hym. Ichneumonid) - Europe (Fahringer, A, x, 497).

Tetropium fuscum, F. (Cerambycid)

Atanycolus initiator, Nees (Hym. Braconid) - Austria (Schimitschek, A, xviii, 24; xxiv, 340).
Atanycolus neesi, Marsh. (Hym. Braconid) - Austria (Schimitschek, A, xxiv, 340).
Ephialtes dux, Tschek (Hym. Ichneumonid) - Austria (Schimitschek, A, xxiv, 340).
Ephialtes planifrons, Thoms. (Hym. Ichneumonid) - Austria (Schimitschek, A, xviii, 24; xxiv, 340).
Helcon aequator, Nees (Hym. Braconid) - Austria (Schimitschek, A, xviii, 24).
Helcon dentator, Nees (Hym. Braconid) - Austria (Schimitschek, A, xxiv, 340).
Pyracmon xoridiformis, Hlgr. (Hym. Ichneumonid) - Austria (Schimitschek, A, xviii, 24; xxiv, 340).
Pyracmon xoridoideus, Strobl (Hym. Ichneumonid) - Austria (A, xviii, 24).
Rhadinopimpla brachylabis, Kr. (Hym. Ichneumonid) - Austria (Schimitschek, A, xxiv, 340).
Xorides collaris, Grav. (Hym. Ichneumonid) - Austria (Schimitschek, A, xviii, 24; xxiv, 340).
Xylonomus sp. (Hym. Ichneumonid) - Austria (A, xviii, 24; Schimitschek, xxiv, 340).
Xylonomus brachylabis, Kriechb. (Hym. Ichneumonid) - Austria (A, xviii, 24).

Tetropium gabrieli, Weise (Cerambycid)

Atanycolus denigrator, L. (Hym. Braconid) - Austria (Schimitschek, A, xviii, 24; xxiv, 340).
Atanycolus neesi, Marsh. (Hym. Braconid) - Austria (A, xviii, 24; Schimitschek, xxiv, 340).
Atanycolus sculpturatus, Thoms. (Hym. Braconid) - Austria (Schimitschek, A, xviii, 24; xxiv, 340).
Clistopyga sauberi, Brauns (Hym. Ichneumonid) - Austria (A, xviii, 24; Schimitschek, xxiv, 340).
Doryctes obliteratus, Nees (Hym. Braconid) - Austria (A, xviii, 24).
Ephialtes mesocentrus, Grav. (Hym. Ichneumonid) - Austria (Schimitschek, A, xxiv, 340).
Helcon aequator, Nees (Hym. Braconid) - Austria (A, xviii, 24).
Pyracmon lucidus, Clement (Hym. Ichneumonid) - Austria (A, xviii, 24; Schimitschek, xxiv, 340).
Rhadinopimpla brachylabis, Kr. (Hym. Ichneumonid) - Austria (Schimitschek, A, xxiv, 340).

Rhyssa persuasoria, L. (Hym. Ichneumonid) - Austria (A, xviii, 24; Schimitschek, xxiv, 340).
Xorides collaris, Grav. (Hym. Ichneumonid) - Austria (A, xviii, 24; Schimitschek, xxiv, 340).
Xylonomus brachylabis, Kr. (Hym. Ichneumonid) - Austria (A, xviii, 24): England (A, xvii, 152; xix, 517).
Xylonomus irrigator, F. (Hym. Ichneumonid) - Austria (A, xviii, 24; Schimitschek, xxiv, 340): England (A, xix, 517).

Tetropium velutinum, Lec. (Cerambycid)
Deuteroxorides borealis, Cress. (Hym. Ichneumonid) - U.S.A. (Rohwer, A, viii, 417).

Tetrops praeusta, L. (Lamiid)
Caenocoelius analis, Nees (Hym. Braconid) - Germany (Wagner, A, xix, 127).

Thamnurgus euphorbiae, Küst. (Scolytid)
Triaspis caudatus, Nees (Hym. Braconid) - France (A, vii, 236).

Tharops ruficornis, Say (Eucnemid)
Vanhornia eucnemidarum, Crwf. (Hym. Proctotrupid) - U.S.A. (Champlain, A, x, 457).

Thea vigintiduopunctata, L. (Coccinellid)
Aphiochaeta fasciata, Fall. (Dipt. Phorid) - France (A, viii, 212): Italy (A, ii, 150).
Homalotylus flaminius, Dalm. (Hym. Encyrtid) - Italy (A, ii, 150).
Phalacrotophora fasciata, Fall. (Dipt. Phorid) - Italy (Menozzi, A, xv, 507).

Thrincopyge alacris, Lec. (Buprestid)
Labena confusa, Rohw. (Hym. Ichneumonid) - U.S.A. (Rohwer, A, viii, 417).

Timarcha coriaria, Laich. (Chrysomelid)
Dinocampus falciger, Ruthe (Hym. Braconid) - Germany (Stich, A, xvii, 460).

Timarcha tenebricosa, F. (Chrysomelid)
Perilitus sicheli, Giard (Hym. Braconid) - France (Stich, A, xvii, 460).

Tomicus bidens, F. - See Ips bidentatus, Hbst.

Tomoxia bidentata, Say (Mordellid)
Arotes decorus, Say (Hym. Ichneumonid) - U.S.A. (Cushman & Rohwer, A, viii, 417).

Trachelobrachys elegans, Fairm. (Anobiid)
Doryctes sp. (Hym. Braconid) - Tonkin (A, ix, 510).

Trachykele blondeli, Mars. (Buprestid)
Odontaulacus editus, Cress. (Hym. Evaniid) - Canada (A, xx, 651).

Trachykele opulenta, Fall (Buprestid)
Deretaphrus oregonensis, Horn (Col. Colydiid)- U.S.A. (A, vii, 381).

Tribolium castaneum, Hbst. (Tenebrionid)
Sclerodermus immigrans, Bridw. (Hym. Bethylid) - Hawaii (A, viii, 435).
Trichogramma evanescens, Westw. (Hym. Trichogrammid) - England (A, xviii, 589).

Tribolium confusum, Duv. (Tenebrionid)
Rhabdepyris zeae, Wtstn. (Hym. Bethylid) - U.S.A. (A, xviii, 285).

Tribolium ferrugineum, F. - See T. castaneum, Hbst.

Trichobaris texana, Lec. (Curculionid)
Ptinobius texanus, Crwf. (Hym. Cleonymid) - U.S.A. (A, v, 163).

Trichodes leucopsideus, Ol. (Clerid)
Calosota aestivalis, Curt. (Hym. Eupelmid) - Spain (A, xi, 578).

Trogoxylon impressum, Com. - See Lyctus

Tropinata hirta, Poda - See Epicometis

Tychius femoralis, Bris. (Curculionid)
Habrocytus microgastris, Kurd. (Hym. Pteromalid) - Russia (A, xxii, 589).

Tychius flavus, Beck. (Curculionid)
Habrocytus microgastris, Kurd. (Hym. Pteromalid) - Russia (A, xxii, 589).

Verania frenata, Er. (Coccinellid)
Homalotylus flaminius, Dalm. (Hym. Encyrtid) - Australia (Timberlake, A, vii, 523).

Vibidia duodecimguttata, Poda (Coccinellid)
Aphiochaeta fasciata, Fall. (Dipt. Phorid) - France (A, viii, 212).

Xestobium rufovillosum, DeG. (Anobiid)
Spathius exarator, L. (Hym. Braconid) - Poland (A, xviii, 323).

Xyleborus coffeae, Wurth (?) (Scolytid)
Mesobracon psolopterus, Wlkn. (Hym. Braconid) - Sierra Leone (Wilkinson, A, xix, 712).

Xyleborus dispar, F. (Scolytid)
Habritys brevicornis, Ratz. (Hym. Miscogasterid) - Germany (A, xi, 463).
Perniphora robusta, Ruschka (Hym. Cleonymid) - Germany (A, xi, 463).
Pseudopimpla anisandri, Fahr. (Hym. Ichneumonid) - Austria (Schimitschek, A, xxiv, 340).

Xyleborus domesticus, L. (Scolytid)
Habritys brevicornis, Ratz. (Hym. Miscogasterid) - Germany (A, xi, 463).
Perniphora robusta, Ruschka (Hym. Cleonymid) - Germany (A, xi, 463).

Xyleborus morigerus, Bldf. (Scolytid)
Tetrastichus sp. (Hym. Eulophid) - Java (A, xx, 567).

Xyleborus morstatti, Hag. (Scolytid)
Tetrastichus sp. (Hym. Eulophid) - Java (A, xx, 567; xxi, 505).

Xyleborus saxeseni, Ratz. See X. xylographus, Say

Xyleborus signatus, F. (Scolytid)
Habritys brevicornis, Ratz. (Hym. Miscogasterid) - Germany (A, xi, 463).
Perniphora robusta, Ruschka (Hym. Cleonymid) - Germany (A, xi, 463).

Xyleborus xylographus, Say (Scolytid)
Blacus fuscipes, Gour. (Hym. Braconid) - Germany (A, ii, 485).
Habrytis brevicornis, Ratz. (Hym. Miscogasterid) - Germany (A, xi, 463).
Perniphora robusta, Ruschka (Hym. Cleonymid) - Germany (A, xi, 463).
Pteromalus bimaculatus, Nees (Hym. Pteromalid) - Germany (A, ii, 485).

Xylonites retusus, Ol. (Bostrychid)
Cheiropachys colon, L. (Hym. Cleonymid) - Czechoslovakia (Kolubajiv, A, xxiii, 229).
Ephialtes mesocentrus, Grav. (Hym. Ichneumonid) - Czechoslovakia (Kolubajiv, A, xxiii, 229).

Xyloteles griseus, Westw. (Lamiid)
Mesostenus albopictus, Sm. (Hym. Ichneumonid) - New Zealand (Gourlay, A, xviii, 653).

Xyloterus lineatus, Ol. (Scolytid)
Perniphora robusta, Ruschka (Hym. Cleonymid) - Russia (A, xxiv, 654).

Xyloryctes satyrus, F. (Dynastid)
Sarcophaga setulosa, Wulp (Dipt. Sarcophagid) - U.S.A. (A, xvii, 549).

Xylotrechus sp. (Cerambycid)
Helcon pedalis, Cress. (Hym. Braconid) - U.S.A. (A, x, 457).
Metapelma sp. (Hym. Eupelmid) - India (Ramakrishna Ayyar & Margabandu, A, xxiii, 209).

Xylotrechus colonus, F. (Cerambycid)
Arotes decorus, Say (Hym. Ichneumonid) - U.S.A. (Cushman & Rohwer, A, viii, 417).
Xorides rileyi, Ashm. (Hym. Ichneumonid) - U.S.A. (Rohwer, A, viii, 417).

Xylotrechus quadripes, Chevr. (Cerambycid)
Doryctes bistriatus, Kieff. (Hym. Braconid) - Tonkin (A, ix, 510).
Doryctes brevipetiolus, Kieff. (Hym. Braconid) - Tonkin (A, ix, 510).
Doryctes picticeps, Kieff. (Hym. Braconid) - Indo-China (A, xiv, 385): Tonkin (A, ix, 510).
Doryctes strioliger, Kieff. (Hym. Braconid) - Cochin China (Beeson & Chatterjee, A, xxiv, 197): Indo-China (A, xiii, 74, 291, 520; xiv, 385): Tonkin (A, ix, 510).
Doryctes tristriatus, Kieff. (Hym. Braconid) - Indo-China (A, xiv, 385): Tonkin (A, ix, 510).
Eurytoma xylotrechi, Ferr. (Hym. Eurytomid) - Indo-China (A, xxi, 263).
Metapelma sp. (Hym. Eupelmid) India (A, xxii, 476).
Miesgyris grandiceps, Kieff. (Hym. Bethylid) - Tonkin (A, ix, 510).

Paraglypta tubigera, Kieff. (Hym. Ichneumonid) - Tonkin (A, ix, 510).
Pristaulacus nigripes, Kieff. (Hym. Evaniid) - Indo-China (A, x, 384; xiii, 520).
Pristaulacus nigripes, K. var. duporti, Kieff. (Hym. Evaniid) - Tonkin (A, ix, 510).
Pristodoryctes striativentris, Kieff. (Hym. Braconid) - Tonkin (A, ix, 510).
Promiscolus sequistriatus, Kieff. (Hym. Braconid) - Tonkin (A, ix, 510).
Sclerodermus castaneus, Kieff. (Hym. Bethylid) - Indo-China (A, ix, 35).
Sclerodermus domesticus, Latr. (Hym. Bethylid) - Indo-China (A, x, 384; xiii, 74, 291, 520: xiv, 385): Tonkin (A, ix, 510).
Xylonomus caerulescens, Morl. (Hym. Ichneumonid) - Ceylon (Beeson & Chatterjee, A, xxiv, 197).

Xylotrechus smei, L. & G. (Cerambycid)
Doryctes sp. (Hym. Braconid) - India (Beeson & Chatterjee, A, xxiv, 197)

Xylotrupes australicus, Thomp. (Dynastid).
Scolia azurea, Chr. (Hym. Scoliid) - Java-Australia (Jepson, A, xxiv, 785).
Scolia rubiginosa, F. (Hym. Scoliid) - Java-Australia (A, xv, 27).

Xylotrupes gideon, L. (Dynastid)
Scolia azurea, Chr. (Hym. Scoliid) - Dutch E. Indies (Betrem, A, xvii, 248; Jepson, xxiv, 785).
Scolia rubiginosa, F. (Hym. Scoliid) - Dutch E. Indies (A, xv, 490; ix, 47; Leefmans, xviii, 456): Java-Australia (A, xiv, 548): Australia (A, xv, 27).

Xystrocera globosa, Ol. (Cerambycid)
Sclerodermus immigrans, Bridw. (Hym. Bethylid) - Hawaii (A, viii, 435).

Zabrus tenebrioides, Goeze (Carabid)
Viviania cinerea, Fall. (Dipt. Tachinid) - Europe (Balduf, A, xxiv, 154).

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## HOST SYNONYMY NOT SHOWN IN THE TEXT

Names connected by the words "see also" both appear with lists of parasites in the text of the Catalogue.

Names in brackets do not appear in the text of the Catalogue with lists of parasites but are used in one or more of the sources from which the Catalogue has been compiled (Review of Applied Entomology or original papers).

Acanthocinus aedilis, L. = (Astynomus aedilis, L.)
Adoretus compressus, Web. - see also Lepadoretus compressus, Web.
Agriotes lineatus, L. = (A. segetis, Bjerk.; Elater segetis, Bjerk.)
Allorrhina nitida, L. = (Cotinis nitida, L.)
Amphimallon solstitialis, L. = (Rhizotrogus solstitialis, L.)
Anobium punctatum, DeG. = (A. domesticum, L.; A. pertinax, L.; A. striatum, Ol.)
Anomala antiqua, Gyll. = (A. australasiae, Blkb.)
Anomala orientalis, Waterh. = (Phyllopertha orientalis, Waterh.)
Anthonomus piri, Koll. = (Anthonomus cinctus, Redt.)
Anthonomus scutellaris, Lec. = (Coccotorus scutellaris, Lec.)
Aserica orientalis, Mots. = (Serica orientalis, Mots.)
Athous obscurus, Payk. = (A. haemorrhoidalis, F.)
Attelabus nitens, Scop. = (A. curculionoides, L.)
Balaninus - see also Curculio
Baris laticollis, Marsh. = (B. picina, Germ.)
Bruchus = (Acanthoscelides; Bruchidius; Callosobruchus; Laria)
Bruchus pisorum, L. = (Laria pisi, L.)
Byctiscus betulae, L. = (Rhynchites betuleti, F.)
Byctiscus populi, L. - see also Rhinomacer populi, L.
Calandra oryza, L. = (Sitophilus oryza, L.)
Callidium aeneum, DeG. = (C. variabile, F.)
Callidium sanguineum, L. - see also Pyrrhidium sanguineum, L.
(Callidium variabile, L.) = Phymatodes testaceus, F.
Ceratomegilla fuscilabris, Muls. - see also Megilla maculata, DeG.
Ceutorrhyncus pleurostigma, Marsh. = (C. sulcicollis, Thoms.)
Chaetoptelius vestitus, Muls. & Rey - see also Hylesinus vestitus, Muls. & Rey
Chilomenes = (Cheilomenes)
Chilomenes lunata, F. = (Cydonia lunata, F.)
Chrysomela - see also Lina and Melasoma
Cleonus = (Conorrhynchus)
Clytus pilosus, Först. = (C. glabromaculatus, Goeze)
Coeliodes inaequalis, Say = (Craponius inaequalis, Say)
Cryptolestes pusillus, Schönh. - see also Laemophloeus minutus, Ol.
Curculio - see also Balaninus
Cycloneda sanguinea, L. = (Neda sanguinea, L.)
Cyllene caryae, Gahan - see also C. pictus, Horn
Cyllene pictus, Horn - see also C. caryae, Gahan
(Deporaus) = Rhynchites
Desmoris fulvus, Lec. - see also Smicronyx fulvus, Lec.
Diabrotica melanocephala, F. = (D. vittata, F.)
Diaprepes - see also Prepodes
Diaprepes quadrivittatus, Ol. = (Exophthalmus quadrivittatus, Ol.)
Epicometis hirta, Poda = (E. hirtella, L.; Tropinota hirta, Poda)

Epilachna varivestis, Muls. = (E. corrupta, Muls.)
Ernobius abietis, F. = (Anobium abietis, F.)
Euetheola rugiceps, Lec. - see also Ligyrus rugiceps, Lec.
Galerucella luteola, Müll. = (Galeruca calmariensis, L.)
Gnathocerus cornutus, F. = (Echocerus cornutus, F.)
Harpalus rufipes, DeG. = (Ophonus pubescens, Müll.)
(Hoplocelus) = Hoplochelus
Hoplochelus = (Hoplocelus)
Hylastes = (Hylurgops)
Hylesinus fraxini, Panz. = (Leperisinus fraxini, Panz.)
Hylesinus vestitus, Muls. & Rey - see also Chaetoptelius vestitus, Muls. & Rey
Hypera = (Phytonomus)
Hypera variabilis, Hbst. = (H. postica, Gyll.; Phytonomus posticus, Gyll.)
Ips = (Pityogenes)
Ips bidentatus, Hbst. = (I. bidens, F.; Tomicus bidens, F.)
Lachnosterna = (Holotrichia; Phyllophaga; Phytalus)
Laemophloeus minutus, Ol. - see also Cryptolestes pusillus, Schönh.
Lepadoretus compressus, Web. - see also Adoretus compressus, Web.
Lepidiota frenchi, Blkb. = (Heteronyx frenchi, Blkb.)
Lepidoderma albohirtum, Waterh. = (Lepidiota albohirta, Waterh.)
Leptura aurulenta, F. = (Strangalia aurulenta, F.)
Ligyrus rugiceps, Lec. - see also Euetheola rugiceps, Lec.
Lina - see also Chrysomela and Melasoma
Lyctus impressus, Com. = (Trogoxylon impressum, Com.)
Lyctus linearis, Goeze = (L. unipunctatus, Hbst.)
Mechistocerus fluctiger, Fst. = (Rhadinomerus fluctiger, Fst.)
Megilla maculata, DeG. - see also Ceratomegilla fuscilabris, Muls.
Melasoma - see also Chrysomela and Lina
Melasoma vigintipunctata, Scop. = (Lina vigintipunctata, Scop.)
Monochamus = (Monohammus; Monochammus)
Myelophilus = (Blastophagus)
Mysia oblongoguttata, L. - see also Neomysia oblongoguttata, L.
(Neda sanguinea, L.) = Cycloneda sanguinea, L.
Neomysia oblongoguttata, L. - see also Mysia oblongoguttata, L.
Oryctes nasicornis, L. = (O. grypus, Ill.)
Oryctes pyrrhus, Burm. = (O. radama, Coq.)
(Oryctes radama, Coq.) = O. pyrrhus, Burm.
Pachymerus gonagra, F. = (Caryoborus gonagra, F.) - see also Pachymerus pallidus, Ol.
Pachymerus pallidus, Ol. - see also P. gonagra, F.
Phloeophthorus = (Phthorophloeus)
Phyllopertha pubicollis, Waterh. = (Anomala pubicollis, Waterh.)
Phymatodes testaceus, F. = (Callidium variabile, L.)
Popillia castanoptera, Hope - see also P. quadriguttata, F
Popillia quadriguttata, F. - see also P. castanoptera, Hope
Prepodes - see also Diaprepes
Pyrrhidium sanguineum, L. - see also Callidium sanguineum, L.
Rhabdocnemis obscura, Boisd. = (Sphenophorus obscura, Boisd.)
Rhagium - see also Stenocorus
Rhagium inquisitor, L. = (Hargium inquisitor, L.)
Rhinomacer populi, L. - see also Byctiscus populi, L
Rhynchaenus = (Orchestes)
Rhynchaenus alni, L. - see also R. testaceus, Müll.
Rhynchaenus testaceus, Müll. - see also R. alni, L.

Rhynchites = (Deporaus)
Scolytus = (Eccoptogaster)
Scolytus scolytus, F. = (S. destructor, Ol.)
Silvanus surinamensis, L. = (Oryzaephilus surinamensis, L.)
Sitodrepa panicea, L. = (Anobium panicea, L.)
Sitona lineata, L. = (Sitones lineatus, L.)
(Sitones lineatus, L.) = Sitona lineata, L.
(Sitophilus oryzae, L.) = Calendra oryza, L.
Smicronyx fulvus, Lec. — see also Desmoris fulvus, Lec.
Sphenophorus = (Calendra)
Sphenoptera laticollis, Ol. = (S. gemmelata, Mannh.)
Steirastoma = (Stirastoma)
Stenocorus - see also Rhagium
Stephanoderes hampei, Ferr. = (S. coffeae, Hag.)
(Stirastoma) = Steirastoma
Tetropium castaneum, L. = (Isarthron castaneum, L.)
Tribolium castaneum, Hbst. = (T. ferrugineum, F.)
Xyleborus dispar, F. = (Anisandrus dispar, F.)
Xyleborus xylographus, Say = (X. saxeseni, Ratz.)

# INDEX OF PARASITES OF THE ARACHNIDA AND COLEOPTERA.

Names connected by the words "see also" all appear in the text of the Catalogue.

Names in brackets do not appear in the text of the Catalogue but are used in one or more of the sources from which the Catalogue has been compiled (Review of Applied Entomology or original papers).


Acrodactyla madida, Hal., 3
Achrysocharella orientalis, Ferr., 96
Achrysocharis leptocerus, Wtstn., 34
promecothecae, Ferr., 96
Adapsilia flaviseta, Ald., 93
Adelognathus sp., 54, 55
dorsalis, Grav., 114
Aenoplegimorpha micator, Grav. = (Hemiteles micator, Grav.), 55
Agonocryptus discoidaloides, Vier., 47, 97
Amblymerus = (Eutelus)
sp., 55
typographi, Ruschka, 58, 60, 80, 92
Anachaetopsis nitidula, Rond., 48
Anaphes sp., 55, 104, 109, 110
cinctus, Hal., 42 see also Caraphractus cinctus, Hal.
dytiscidarum, Rimsk.-Kors., 42
iole, Gir., 54
nipponicus, Kuw., 68
pratensis, Först., 55, 71
Anaphoidea sp., 49
calendrae, Gahan, 98, 110, 111
conotracheli, Gir., 34, 35
(gonipteri, Ferr.) = A. nitens, Gir.
luna, Gir., 55
nitens, Gir. = (A. gonipteri, Ferr.), 49
Anastatus sp., 96
Anastoechus mylabricida, Zekh., 81
Angitia fenestralis, Hlgr., 29
Anilastus sp., 68
japonicus, Sonan, 68, 69
Anisia sp., 54
Anisocyrta sp., 35
Anisotylus albifrons, Ishii, 107
similis utahensis, Timb., 108
similis texanus, Timb., 56
Anthrax jazykovi, Param., 44
monachus, Sack., 81
oophagus, Param., 81
pygarga, Lw., 91
Apanteles sp., 15
albipennis, Nees = (Microgaster albipennis, Nees), 15
araeceri, Wlkn., 18
emarginatus, Nees, 97
hoplites, Ratz., 24, 77, 83, 102.

Apanteles impurus, Nees = (Microgaster impurus, Nees), 15
lacteus, Nees, 15
(Apechthis capulifera, Kriechb.) = Pimpla capulifera, Kriechb.
Aphanogmus sp., 38
Aphidius chrysanthemi, Marsh., 17
Aphiochaeta fasciata, Fall. = (Phora fasciata, Fall.), 6, 33, 116, 117 - see also Phalacrotophora fasciata, Fall.
Aphrastobracon alcidiphagus, Ram. Ayy., 9
Aphycus punctipes, Dalm., 60
Aplastomorpha sp., 23
calandrae, How. = (A. vandinei, Tucker; Meraporus vandinei, Tucker; Neocatolaccus australiensis, Gir.; N. vandinei, Tucker; Pteromalus calandrae, How.), 22, 23, 24, 25, 27, 28, 68, 85, 109
(vandinei, Tucker) = A. calandrae, How.
Aprostocetus fukutai, Miwa & Sonan, 76
whitmani, Gir., 88
Arotes decorus, Say, 116, 118
formosus, Cress., 20
occipitalis, Cress., 113
vicinus, Cress., 71, 72
Arrhinodexia eumorphophaga, Bar., 47
Arrhinomyia innoxia, Mg., 50
Arthrolysis scabricula, Nees, 74
Asaphes vulgaris, Wlk. = (Chrysolampus aeneus, Ratz.), 15
Ascogaster rufidens, Wesm., 102
Aspicolpus hudsoni castanea, Gourl., 7
Aspidogonus diversicornis, Wesm., 32
Astichus arithmeticus, Först., 32
Atanycolus sp., 8
denigrator, L., 102, 115
initiator, Nees, 99, 115
labena, Rohw., 31
neesi, Marsh., 115
rugosiventris, Ashm., 31
sculpturatus, Thoms., 31, 115
simplex, Cress., 99
Ateloglossa cinerea, Coq., 76
Atritomelus laticeps, Hedicke, 112
Aximopsis javensis, Gir., 18

B

Baeacis abietis, Ratz., 46
intermedia, Först., 47
Baeus latrodecti, Doz., 2
(Bassus (BRACONID)) = Microdus
Bathyplectes anurus, Thoms., 55
corvina, Thoms., 55
curculionis, Thoms. = (Canidiella curculionis, Thoms.), 54, 55
exigua, Grav., 54, 55
tristis, Grav., 55
Bathythrix kuwanae, Vier., 68

Bathythrix kuwanae nigrans, Sonan, 68
rufus, Sonan, 68
Belyta sp., 36
Billaea irrorata, Mg., 102
microcera, Rond., 95
pectinata, Mg., 10, 29, 95
subrotundata, Rond., 96
Biomyia eleodivora, Walton, 44
georgiae, B. & B. = (Viviania georgiae, B. & B.), 26
lachnosternae, Tns., 62
Blacus sp., 20, 78, 85
fuscipes, Gour., 118
ruficornis, Nees, 113
tuberculatus, Hal., 20, 85
Brachistes sp., 106
(Brachycentrus brachycentrus, Grav.) = Helcostizus brachycentrus, Grav.
Brachymeria = (Chalcis)
sp., 26
euthyrrhini, Dodd, 47
punctulata, Först., 27
vitripennis, Först., 28
(Bracon) = Microbracon
BRACONID sp., 68
Bruchobius colemani, Crwf., 21, 22
laticeps, Ashm., 21, 23
magnus, Rohw., 22, 23
vagabundus, Timb., 21, 22, 23
Bruchocida orientalis, Crwf., 22, 23
Bruchoctonus senex, Grese, 23
Brulleia shibuensis, Mats., 28

C

Caenacis sp., 52
Caenocoelius analis, Nees, 116
(Caenopachys hartigii, Ratz.) = Dendrosoter hartigii, Ratz.
Caenophanes sp., 83
Calliceras dictynna, Wtstn., 112
(Calliephialtes) = Ephialtes
Callihormius sp., 7
Callimome sp., 110
albitarse, Huber, 40
bohemani, Thoms., 52
(Calliptus) = Calyptus
Calosota sp., 10, 47, 50
aestivalis, Curt., 117
Calyptus = (Calliptus)
sp., 75
atricornis, Ratz., 80, 89, 104
byctisci, Watanabe, 24
longicaudis, Ratz., 76, 106
minutus, Ratz., 100, 101
mucronatus, Thoms , 90
robustus, Ratz., 89

Calyptus testaceipes, Gross., 101
Campoplex latus, Ratz., 15
Campsomeris = (Dielis)
sp., 11, 91, 93, 94, 97, 100
annulata, F., 9, 11, 12, 13, 46, 62, 64, 65, 67, 70, 72, 93, 94, 113
asiatica, Sauss., 67, 70, 72, 113
atrata, F. - (Elis atrata, F.), 65, 73, 95, 113 - see also Scolia atrata, F.
aureicollis, Lep., 65, 67, 69, 70, 72, 97, 113 - see also C. thoracica aureicollis, Lep.
aurulenta, Sm., 70, 72
carinifrons, Turner, 70
ciliata, F. = (C. rufa, Lep.), 65
coelebs, Sich. = (C. thoracica, F.; Dielis thoracica, F.; Elis thoracica, F.), 6, 11, 46, 47, 51, 64, 66, 84
dohrni sumatrensis, Betrem, 11
dorsata, F., 62, 64, 65, 66, 67, 73
erythrogaster, Dalm., 52, 66
fax, Bradley, 66, 100
ferruginea, F., 70
formosa, Guer. = (Scolia formosa, Guer.), 12, 69, 70
grandidieri, Sauss., 66
hesterae, Rohw., 62, 65
iris, Lep., 97
javana, Lep., 13, 46, 66, 72, 97
javana bendoredjoensis, Betrem, 72
javana quadriguttula, Burm., 73
latus, Ratz., 15
leefmansi, Betrem, 46, 64, 66, 72, 73
limbata, Sauss., 46, 62
lindenii, Lep., 62, 66
luctuosa, Sm., 67, 70, 72, 84, 113
maniensis, Sauss., 69, 70, 72
marginella billitonensis, Tull., 6
marginella modesta, Sm. = (Scolia manilae, Ashm.), 6, 11, 12, 65, 66, 67, 70, 72, 94, 100, 108, 113
minutalis, Bradley, 44, 66
octomaculata hermione, Banks, 62
ovalauensis, Sauss., 100
peregrina, Lep., 62, 66, 72
pfeifferae, Sauss. = (Elis pfeifferae, Sauss.), 44, 62, 66, 85
phalerata, Sauss., 13, 66
pilosella, Sauss., 44, 52, 66
plumipes, Drury, 62
pocillator, Bradley, 66
prismatica, Sm., 12, 52, 66
pulchrivestita, Cam., 97
(pyrura, Rohw.) = C. tricincta, F.
quadrifasciata, F., 13, 46, 66
quadrifasciata fimbriata, Burm., 46, 66
quadrifasciata negrosicola, Betrem, 66, 67, 69, 70, 72, 113
quadriguttulata, Burm., 47, 66
quadriguttulata bendoredjoensis, Betrem, 73
quadriguttulata jepsoni, Betrem, 73
quadriguttulata sericeps, Cam., 73

Campsomeris radula, F., 39, 69, 70, 72, 73
reticulata, Cam., 67, 70, 72, 113
rodriguezensis, Bradley, 52, 66
rohweri, Betrem, 70, 72, 113
romandi, Sauss. = (Elis romandi, Sauss.), 85
rubromaculata, Sm., 70
(rufa, Lep.) = C. ciliata, F.
tasmaniensis, Sauss., 13, 69, 70, 72
(thoracica, F.) = C. coelebs, Sich.
thoracica aureicollis, Lep., 46 - see also C. aureicollis, Lep.
tricincta, F. = (C. pyrura, Rohw.), 62, 64, 65, 66, 67
trifasciata, F., 62, 64, 65, 66, 67
vaneeckei, Betrem, 72
Campylocera robusta, Wulp, 6, 69
Campyloneurus ceylonicus, Cam., 9
Canidia quinqueangularis, Ratz., 54
(Canidiella curculionis, Thoms.) = Bathyplectes curculionis, Thoms.
Caraphractus cinctus, Hal., 42, 57 - see also Anaphes cinctus, Hal.
reductus, Rims.-Kors., 42, 57
Cassidocida aspidomorphae, Crwf., 18
Catolaccus sp., 35, 97
ater, Ratz., 54, 57
fragariae, Rohw., 16
hunteri, Crwf., 14
incertus, Ashm., 14, 20, 25 - see also Zatropis incertus, Ashm.
perdubius, Girault, 16
townsendi, Crwf., 17
Cecidostiba acuta, Prov., 39, 92
dendroctoni, Ashm., 39, 40
thomsoni, Crwf., 107
Celatoria diabroticae, Shim., 29, 40
Cenocoelius agricolator, L., 76, 92
necator, Borg., 83
Centeter cinerea, Aldr., 12, 13, 18, 50, 78, 82, 94
unicolor, Aldr., 13, 87
Centrodora sp., 96
Cephalonomia sp., 109
formiciformis, Westw., 17, 109
gallicola, Ashm. = (C. quadridentata, Duchaussoy), 68, 82, 98, 109
(hypobori, Kieff.) = Trichopria hypobori, Kieff.
(kiefferi, Fouts) = C. tarsalis, Ashm.
nigricornis, Sarra, 105, 106, 114
(quadridentata, Duchaussoy) = C. gallicola, Ashm.
tarsalis, Ashm. = (C. kiefferi, Fouts; Neoscleroderma tarsalis, Ashm.), 25, 109
waterstoni, Gahan, 67
Cerambycobius - see also Eupelmus
cyaniceps, Ashm., 14
peruvianus, Crwf., 17
townsendi, Crwf., 17
Cerobracon secundus, D.T., 40
Cerocephala cornigera, Westw., 24, 29, 48, 52, 53, 87, 105, 106
dinoderi, Gahan, 41
elegans, Westw., 24, 25, 28 - see also Chaetospila elegans, Westw.

Cerocephala formiciformis, Westw., 11, 24, 75
Ceromasia sphenophori, Vill., 36, 41, 98
Chaetochlorops inquilina, Coq., 35, 36
Chaetophleps setosa, Coq., 40
Chaetospila elegans, Westw.,23, 24, 25, 99,104 - see also Cerocephala elegans,Westw.
Chaetostricha sp., 96
(cratitia, Wtstn.) = Oligosita utilis, Kow.
mukerjii, Mani, 23
CHALCID sp., 18, 19, 22, 76
(Chalcis) = Brachymeria
Charitopus magnificus, Ashm., 8
Cheiropachys = (Chiropachys)
colon, L., 29, 52, 53, 86, 87, 105, 106, 107, 118 - see also C. obscuripes, Brues; Pteromalus bi maculatus, Nees; P. fraxini, Ratz
obscuripes, Brues, 106 - see also C. colon, L.; Pteromalus bimaculatus, Nees; P. fraxini, Ratz.
pulchellus, W., 80
quadrum, F., 80
tutela, Wlk., 60 - see also Rhopalicus tutela, Wlk.
Chelonus nigrinus, Ratz., 102
(Chiropachys) = Cheiropachys
Cholomyia inaequipes, Big., 35
longipes, F., 35
Chremylus rubiginosus, Nees = (Penecerus rubiginosus, Nees), 22, 25, 57
Chryseida inopinata, Br., 83
Chrysocharis boops, Thoms., 100
orchestis, Ratz., 100
(Chrysolampus aeneus, Ratz.) = Asaphes vulgaris, Wlk.
Cinetus canadensis, Ashm., 86
Cirrospilus sp., 96
orsedice, Wlk., 27
pictus, Nees, 100
Clistopyga incitator, F., 15
sauberi, Brauns., 115
Closterocerus sp., 48
africanus, Wtstn., 34
cinctipennis, Ashm., 21
splendens, Kow., 96
Coeloides sp., 76
abdominalis, Zett., 60, 80, 89, 104
bostrychorum, Giraud, 27, 57, 58, 59, 60, 82
brunneri, Vier., 40, 107
dendroctoni, Cushm., 39, 58, 59, 61
filiformis, Ratz., 52
melanotus, Wesm., 52, 61
pissodis, Ashm., 89
scolyti, Cushm., 104, 107
scolyticida, Wesm., 8, 80, 105, 106, 107
scolyticida initiatellus, Ratz , 89
scolyticida melanostigma, Strand, 27
scolyticida rugulosa, Fahr., 8
strobilorum, Ratz., 46

Coeloides ungularis, Thoms., 52, 106
ungularis nigerrima, Fahr., 52
Coelopisthia rotundiventris, Gir., 91
suborbicularis, Prov., 90
Coelopisthus sp., 59
Coleocentrus excitator, Poda, 78, 79
Colpixys necator, Wtstn., 20
Colpomeria kincaidii, Ashm., 3
Compsilura concinnata, Mg., 90
Cosmophorus sp., 97
cembrae, Ruschka, 58, 60
henscheli, Ruschka, 90
klugi, Ratz., 42, 52, 92
pityophthori, Rohw., 90
Cotterellia podagrica, Wtstn., 34
Cryptohelcostizus rufigaster, Cushm., 7, 31
Cryptoideus anthracinus, Cushm., 102
bituminosus, Cushm., 111
fasciatus, Ashm., 7
Cryptomeigenia aurifacies, Walt., 62, 64, 65, 67, 78
theutis, Wlk., 62, 65
Cryptoxilos convergens, Mues., 86
Cryptus sp., 55
viduatorius, F., 102

D

Dacnusa gedanensis, Ratz., 102
Degeeria collaris, Fall., 48
(funebris, Mg.) = D. luctuosa, Mg.
luctuosa, Mg. - (D. funebris, Mg.), 7, 50
Demophorus robustus, Bris., 11
Dendrosoter sp., 53
caenopachoides, Ruschka, 59
ferrugineus, Marsh., 104, 109
flaviventris, Först., 57, 60
hartigii, Ratz. = (Caenopachys hartigii, Ratz.), 27, 57, 58, 59, 60, 104
middendorfi, Ratz., 39, 57, 58, 59, 61, 80, 104, 106
protuberans, Nees, 53, 60, 80, 104, 105, 106
Deretaphrus oregonensis, Horn, 24, 39, 116
Derostenus pallipes, Gahan, 101
Deuteroxorides borealis, Cress., 19, 54, 116
caryae, Harr., 102
vittifrons, Cress., 49
Dexia sp., 93
rustica, F., 10, 77
vacua, Fall., 77
ventralis, Aldr., 78, 87, 93, 94
Dexiosoma caninum, F., 77
Diadromus subtilicornis, Grav., 102
Diaparsis rufipes, Hlgr., 42
Dibrachoides sp., 55
dynastes, Först. = (Pteromalus dynastes, Först.), 54, 55

(Dibrachys boucheanus, Ratz.) = D. cavus, Wlk.
cavus, Wlk. = (D. boucheanus, Ratz.), 25, 37, 56, 98
(Dielis) = Campsomeris
(thoracica, F.) = Campsomeris coelebs, Sich.
Diglochis omnivora, Wlk., 61
Dimmockia aburiana, Wtstn., 34
javanica, Ferr., 96
Dinarmus lichtensteini, Masi, 79
regnieri, Masi, 50, 56
Dinocampus - see also Perilitus
sp., 5, 17, 30, 47
coccinellae, Schr., 5, 29, 33, 34, 51, 55
falciger, Ruthe, 116
mylloceri, Wlkn., 81
rutilus, Nees, 110
terminatus, Nees = (Perilitus americanus, Riley), 5, 6, 10, 33, 34, 38, 50, 51, 76, 82
Dinotus sp., 57, 91
agrili, Rohw., 7
bidentulus, Thoms., 53, 107
clypealis, Thoms., 37, 58, 59, 86, 92
Dionaea forcipata, Mg., 28
nitidula, Mg., 103
Diospilus capito, Nees, 24
curticaudis, Gahan, 50
melanoscelus, Nees, 42
morosus, Reinh., 88
neoclyti, Rohw., 81
oleraceus, Hal., 29, 77
polydrusi, Gahan, 92
(Discolia) = Scolia
Doryctes sp., 90, 114, 116, 119
bistriatus, Kieff., 30, 118
brevipetiolus, Kieff., 30, 118
gallicus, Reinh., 25, 88
imperator, Hal., 5
leucogaster, Nees, 11, 32, 33, 50, 54, 98, 99
longicaudis, Giraud, 28
maculipennis, Rohw., 7, 14, 31
mutillator, Thnb., 88
obliteratus, Nees, 88, 89, 115
picticeps, Kieff., 30, 118
pomarius, Reinh., 58, 59
pomarius schimitscheki, Fahr., 58
radiatus, Gir., 39
strioliger, Kieff., 30, 118
tristriatus, Kieff., 30, 118
undulatus, Ratz., 75
Doryphorophaga aberrans, Tns., 21, 71
australis, Reinh., 71
(doryphorae, Riley) = Phorocera doryphorae, Riley
Duportia cincticornis, Kieff., 30

E

Echthrus nubeculatus, Grav., 103
populneus, Giraud, 103
Ecphylus sp., 53, 87, 105, 107
sp. (? schwarzi, Rohw.), 69, 75
caudatus, Ruschka, 74
chaetoptelii, Gaut. & Russo, 53
eccoptogastri, Ratz., 105, 106, 107
hattorii, K. & W., 37
hylesini, Ratz., 58, 59, 60, 80, 87, 97, 106
lavagnei, Pic. & Licht. = (Sycosoter lavagnei, Pic. & Licht.), 56
silesiacus, Ratz., 107
Elachertus = (Elachistus)
idomene, Wlk., 24
leucogramma, Ratz., 106, 107 see also Entedon leucogramma, Ratz.
(Elachistus) = Elachertus
Elasmus sp., 97
hispidarum, Ferr., 97
Eleodiphaga caffreyi, Walton, 43
pollinosa, Walton, 43
Elis sp., 6, 12, 62, 66
sp. (nr. pulchrina, Cam.), 12
(atrata, F.) = Campsomeris atrata, F.
atriventris, Gahan, 62 - see also E. collaris, Say and E. illinoisensis, D.T.
collaris, Say, 62 - see also E. atriventris, Gahan and E. illinoisensis, D.T.
ephippium, F. = (E. xanthonotus, Rohw.), 62, 64, 65, 66, 67
fulviceps, Cam., 12
haemorrhoidalis, F., 64, 65, 67
illinoisensis, D.T., 62 - see also E. atriventris, Gahan and E. collaris, Say
interrupta, Say, 62
nodosa, Guer., 67
obscura, F., 62, 94
ornaticeps, Cam., 12
(pfeifferae, Sauss.) = Campsomeris pfeifferae, Sauss.
pulchrina, Cam., 12
quinquecincta, F., 62, 94
(romandi, Sauss.) = Campsomeris romandi, Sauss.
rufa, Lep., 62
sexcincta, F. = (Myzine sexcincta, F.), 62
(thoracica, F.) = Campsomeris coelebs, Sich.
(xanthonotus, Rohw.) = E. ephippium, F.
Emersonella lemae, Gir., 69
niveipes, Gir., 30
Encyrtus flavomaculatus, Ratz., 15
morio, Dalm., 17
Entedon sp., 18, 96
agrilorum, Ratz., 8
cassidarum, Ratz., 27 - see also Tetrastichus cassidarum, Ratz.
chalybeus, Ratz., 103
confinis, Ratz., 107
leucogramma, Ratz., 58, 105, 106 see also Elachertus leucogramma, Ratz.
miser, Nees, 28

Entedon ovulorum, Ratz., 27
pharnus, Wlk., 20
tachypterelli, Gahan, 114
tenuitarsis, Thoms., 107
Ephialtes = (Calliephialtes)
sp., 74
abbreviatus, Thoms., 91, 103, 112
carbonarius, Christ., 32, 103
comstocki, Cress., 90
continuus, Ratz., 103
crassiseta, Thoms., 89
dux, Tschek, 99, 115
extensor, Tasch., 39, 103
heteropus, Thoms., 82, 103
insignis, Hab., 103
iridipennis, Morl., 111
irritator, F. = (Ichneumon irritator, F.), 31, 39
luteipes, Thoms., 103
macrocentrus, Kriechb., 79
macropunctatus, Uch., 6, 96
manifestator, L., 7, 25, 78, 92, 103, 112
mesocentrus, Grav., 49, 79, 115, 118
nubilipennis, Vier., 90
odinae, Cushm., 76, 99
(pedalis, Cress.) = Pimpla pedalis, Cress.
planifrons, Thoms , 99, 104, 115
populneus, Ratz., 103
thurberiae, Cushm., 14
tuberculatus, Fourc., 5, 37, 53, 79, 89, 99, 103
(Epiurus) = Pimpla
Epyris sp., 53
extraneus, Bridw., 49
Erynnia nitida, R.-D., 48
Etroxys dimidiatus, Wlk., 58
Eubadizon pallidipes, Nees, 75
Eubazus macrocephalus, Nees, 17
Eubiomyia calosomae, Coq. = (Pseudatractocera calosomae, Coq.), 26
Euchalcidia caryobori, Hanna, 86
Eucoila sp., 90
Euderus gossypii, Ferr., 111
viridis, Gir. = (Secodella viridis, Gir.), 49
Euloewia globosa, Tns. = (Myiophasia globosa, Tns.), 14, 30, 35, 36
Eulophus sp., 54, 88, 104
longulus, Zett., 100
pectinicornis, L., 100
Eupelminus coleopterophagus, Gir., 16 - see also Eupelmus coleopterophagus, Marc.; E. degeeri, Dalm.; E. vesicularis, Retz.; Eupelminus saltator, Lind.
excavatus, Dalm., 55
saltator, Lind., 22, 114 - see also Eupelmus coleopterophagus, Marc.; E. degeeri, Dalm.; E. vesicularis, Retz., Eupelminus coleopterophagus, Gir.
Eupelmus - see also Cerambycobius
sp., 35, 97

Eupelmus allyni, French, 68
coleopterophagus, Marc., 16 - see also E. degeeri, Dalm.; E. vesicularis, Retz.; Eupelminus coleopterophagus, Gir.; E. saltator, Lind.
curculionis, Ferr., 75
cyaniceps, Ashm., 14
cyaniceps amicus, Gir., 14, 22, 40
degeeri, Dalm., 53, 87, 101 - see also E. coleopterophagus, Marc.; E. vesicularis, Retz.; Eupelminus coleopterophagus, Gir.; E. saltator, Lind.
javae, Gir., 18
pini, Taylor, 90
rhyncogoni, Perk., 102
urozonus, Dalm., 53, 104, 105
vesicularis, Retz., 17, 81 - see also Eupelmus coleopterophagus, Marc.; E. degeeri, Dalm.; Eupelminus coleopterophagus, Gir.; E. saltator, Lind.
Eupteromalus cognatus, Gahan, 1
Eurydinoteloides longiventris, Gahan, 48
Eurytoma sp., 9, 10, 16, 18, 22, 35, 39, 40, 59, 68, 74, 83, 87, 105, 107
abieticola, Ratz., 58
auricoma, Mayr, 53, 60, 61, 76, 80, 104, 106
crassineura, Ashm., 107
curculionum, Mayr, 20, 49, 74
flavoscapularis, Ratz., 53
ischioxanthos, Ratz., 53, 58, 61, 105, 107
masii, Rus., 30, 53, 87, 105
obscura, Boh., 107
pigra, Gir., 9
pissodis, Gir., 90
piurae, Crwf., 17
rosae, Nees, 106
tristis, Mayr, 74
tylodermatis, Ashm., 14, 20, 22, 114
xylotrechi, Ferr., 31, 118
EURYTOMID sp., 61
Eusandalum acmaeoderae, Rohw., 5
(Euspathius) = Spathius
Eustalocerus clavicornis, Wesm., 57, 61
(Eutelus) = Amblymerus
Eutrixa sp., 94
(exile, Coq.) = E. masuria, Wlk.
masuria, Wlk. = (E. exile, Coq.), 62
Eutrixoides jonesii, Walt., 62, 64, 65, 67
Eutrixopsis javana, Tns., 72, 94
Euurobracon yokohamae, D.T., 20
Exallonyx ater, Nees, 36, 97
ligatus, Nees, 9
ligatus talpae, Kieff., 98
(Exeristes roborator, F.) = Pimpla roborator, F.
Exobracon maculipennis, Cam., 7, 51, 91
Exoprosopa fasciata, Macq., 62
(Exorista dubia, Fall.) = Lypha dubia, Fall.
Exoristoides slossonae, Coq., 45

Exothecus sp., 53
laevis, Thoms., 100

F

Fannia canicularis, L., 36, 62
Fidiobia flavipes, Ashm., 47
Flavopimpla mangae, Betrem, 37
Freraea albipennis, Zett., 50
denudata, Zett., 27

G

Gelis = (Pezomachus)
sp., 2
fallax, Först., 15
fasciatus, F., 1
instabilis, Först., 1, 3
lemae, Sonan, 68
Glabrobracon variator, Nees, 46
Glypta ephippigera, Kriechb., 103
flavolineata, Grav., 99
Glyptomorpha sp., 111, 112
andrieui, Vuil. = (Pseudovipio andrieui, Vuil.), 111
castrator, F., 74
desertor, F., 112
smeenus, Cam., 111
Goniocryptus plebejus, Tschek, 3
Gymnodexia atkinsoni, Bar., 38
indica, Bar., 78

H

Habritys brevicornis, Ratz., 52, 117, 118
(Habrobracon) = Microbracon
Habrobraconidea bicoloripes, Vier., 90
Habrocryptus ruficoxatus, Sonan, 68, 69
Habrocytus sp., 14, 15, 16, 22, 28, 32, 54, 55, 68, 86, 87
sp. (? saxeseni, Ratz.), 15
cioni, Thoms., 32
cionicida, Licht., 32
fasciatus, Thoms., 15
languriae, Ashm., 68
lividus, Gahan, 114
lixi, Sarra, 74
microgastris, Kurdj., 15, 117
obscuripes, Ashm., 16
ochrocerus, Thoms., 15
orchestis, Ratz., 100
pierci, Crwf., 14, 15, 114
radialis, Thoms., 17

Habrocytus rhodobaeni, Ashm., 100
tenuicornis, Först. (Pteromalus tenuicornis, Först.), 15, 16, 103
Haeckeliana brontispae, Ferr., 21
Hamaxia incongrua, Wlk., 93, 94
Hecabolodes anthaxiae, Wlkn., 14
(Hecabolus lycti, Cress.) = Monolexis lycti, Cress.
sulcatus, Curt., 11, 98
utilis, Cress., 75
Helcon aequator, Nees, 115
dentator, Nees, 79, 115
pedalis, Cress., 118
ruspator, L , 79
Helconidea ligator, Say, 81, 98
Helcostizus brachycentrus, Grav. = (Brachycentrus brachycentrus, Grav.), 102
rufiscutum, Cushm., 86
(Helicobia helicis, Tns.) = Sarcophaga rapax, Wlk.
Hemiptarsenus unguicellus, Zett., 80
Hemistephanus sp., 41
Hemiteles sp., 57, 61
aestivalis, Grav., 80
albomarginatus, Bridgm., 55
bicolorinus, Grav., 11
completus, Ratz., 98
graculus, Grav., 55
hemipterus, F., 55
hungerfordi, Cushm , 50
hydrophilus, Ashm., 90
melanarius, Grav., 80, 103
(micator, Grav.) = Aenoplegimorpha micator, Grav.
modestus, Grav., 103
Heterospilus sp., 68
annulicornis, Mues., 48
coffeicola, Schmied., 112
gossypii, Mues., 48
hambletoni, Mues., 48
prosopidis, Vier., 23
Heydenia pretiosa, Först., 57
Histeromerus mystacinus, Wesm., 71
Histochaeta marmorata, F., 89
Homalotylus sp., 5, 30, 38, 47, 56, 107
affinis, Timb., 56
cockerelli, Timb., 56
flaminius, Dalm., 6, 30, 33, 34, 51, 56, 83, 108, 116, 117
hyperaspidis, Timb., 56
oculatus, Gir., 108
scymni, Shim., 107
terminalis, Say, 10, 35, 38
terminalis californicus, Gir., 30, 33, 42, 51
vicinus, Silv., 82
Homoporus crassinervis, Thoms., 107
Hoplocryptus nigripes, Grav., 74
Horismenus sp., 31, 41
depressus, Gahan, 23
Hunterellus hookeri, How. = (Ixodiphagus caucurtei, du Buysson), 1, 2, 3

Hyalomyodes triangulifera, Loew, 45, 50
Hymenoepimecis wiltii, Cress., 2
Hyperecteina polyphyllae, Vill., 92
Hypostena sp., 79

## I

(Ichneumon irritator, F.) = Ephialtes irritator, F.
Ichneutes reunitor, Nees, 61
Idiolispa analis, Grav., 103
Iphiaulax sp., 41, 50
extricator, Nees, 92
flavator, F., 50
immsi, Cam., 28
impostor, Scop., 103
morleyi, Frogg., 87
phoracanthae, Frogg., 87
rubriceps, Frogg., 87
Ipobracon sp., 112
dentiscapa, R.A., 5
depressi, Vier., 112
peronatus, Cam., 112
steirastomae, Vier., 112
waterstoni, Cam., 9
Ipocoelius rotundiventris, Ruschka, 100
seitneri, Ruschka, 57, 59, 61
Isodromus niger, Ashm., 30
Ischiogonus sp., 114
palliatus, Cam., 114
syagrii, Full., 114
Ischnoceros filicornis, Kriechb., 99, 102, 112 - see also I. rusticus, Fourc.
rusticus, Fourc., 99 - see also I. filicornis, Kriechb.
seticornis, Kriechb., 74, 99
Isurgus heterocerus, Thoms., 77
morionellus, Hlgr., 77 - see also Thersilochus morionellus, Hlgr.
(Itoplectis) = Pimpla
(Ixodiphagus caucurtei, du Buysson) = Hunterellus hookeri, How.
texanus, How., 2

## L

Labena apicalis, Cress., 8, 31, 90
confusa, Rohw., 116
confusa minor, Rohw., 31
grallator, Say, 31
Laelius anthrenivorus, Trani, 17
perrisi, Kieff., 17, 109
tibialis, Kieff., 17, 109
Lariophagus distinguendus, Först. - (Meraporus graminicola, Curt.), 24, 25, 98, 99, 109 - see also Pteromalus oryzae, Cam.
puncticollis, Möll., 109
utibilis, Tuck. = (Meraporus utibilis, Tuck.), 24, 25

Lathromeris johnstoni, Wtstn., 111
Leiophron sp., 48, 110
lituratus, Hal., 109
muricatus nigra, 110
Lepidaphycus bosqui, Blanch., 38, 46
Lestodiplosis sp., 16
Liacos analis, F., 67, 70, 72, 113
Lissonota errabunda, Hlgr., 106
Louricia ovivora, Ferr., 20
Lycorina triangulifera, Hlgr., 103
Lydella dimmocki, Aldr., 78
Lypha dubia, Fall. = (Exorista dubia, Fall.), 76

M

Macquartia chalconota, Mg., 31
occlusa, Rond., 89
praefica, Mg., 31, 77
tenebricosa, Mg., 31
Masicera sp., 18
exilis, Coq., 30
silvatica, Fall., 103
Medeterus aldrichi, Wheeler, 40
vanduzeei, Curr., 40
Medinodexia fulviventris, Tns., 19
Megapariopsis opaca, Coq., 73
Megaselia sp., 45
plurispinulosa, Zett., 53
Meigenia sp., 86
bisignata, Mg., 7, 32, 76, 77, 89
floralis, Fall. = (M. mutabilis, Mg.), 34, 36, 37, 48, 86
(mutabilis, Mg.) = M. floralis, Fall.
Melcha lemae, Sonan, 68, 69
Melittobia acasta, Wlk., 42
(Meraporus calandrae, How.) = Aplastomorpha calandrae, How.
(graminicola, Curt.) = Lariophagus distinguendus, Först.
requisitus, Tuck., 25
(vandinei, Tuck.) = Aplastomorpha calandrae, How.
Mesobracon psolopterus, Wlkn., 117
Mesochorus sp., 88
nigripes, Ratz., 54, 55
Mesoleius variegatus, Jur., 99
Mesoleptus coxalis, Bris., 29
teredo, Htg., 79, 115
Mesostenus albopictus, Smith, 7, 118
gladiator, Scop., 53
Mestocharis sp., 43
cyclospila, Först., 43
lividus, Gir., 46
Metacolus aulloi, Merc., 60 - see also Pterosema aulloi, Merc.
fasciatus, Girault, 86
unifasciatus, Thoms., 57, 60, 76, 89
Metadexia basalis, G.T., 35

Metapelma sp., 118
indica, Gir., 41
spectabilis, Westw., 7, 8
Metastenomyia juliana, Gir., 9
Meteorus sp., 83
humilis, Cress., 83, 91
hypophloei, Cushm., 56, 57
ictericus, Nees, 15
obfuscator, Nees, 83
tabidus, Wesm., 103
terebratus, Mues., 83
Microbracon = (Bracon; Habrobracon)
sp., 10, 23, 53, 54, 60, 61, 85, 101
sp. (possibly variator, Nees), 15
apoderi, Watanabe, 18
baridii, Marsh., 20
cerambycidiphagus, Mues., 82
charus, Riley, 31
cryptorhynchi, Mues., 37
cylasovorus, Rohw., 38, 39
discoideus, Wesm., 15, 16, 24, 29, 38, 101
dispar, 8
(dorsator, Say) = M. hebetor, Say
erythrogaster, Brulle, 39
fortipes, Wesm., 74
fuscipennis, Wesm., 48
glaphyrus, Marsh., 20
guttiger, Wesm., 86
hebetor, Say = (M. dorsator, Say), 35
hispae, Vier., 51
hylobii, Ratz., 54, 89
immutator, Nees, 16
instabilis, Marsh., 80
intercessor, Nees, 74
kachetinus, Telenga, 101
lefroyi, D. & D., 9
lixi, Ashm., 35
mellitor, Say, 14, 20, 34, 35, 40, 54, 114
multiarticulatus, Ratz., 103
nanus, Prov., 90
obscurator, Nees, 60
palpebrator, Ratz., 80, 105
pectinatus, Say, 31
pineti, Thoms., 46
pini, Mues., 90
pissodes, Ashm., 90
regularis, Wesm., 15
rhynchiti, Gross., 101
satanas, Wesm., 17
simplex, Cress., 40
sphenophori, Mues., 110
stabilis, Wesm., 52, 53
suspectus, Szep., 7
tachypteri, Mues., 114

Microbracon tenuiceps, Mues., 54
variator, Nees, 15, 20, 49, 109
variabilis, Prov., 114
vestiticida, Vier., 17
xanthostigmus, Cress., 8
Microctonus carabivorus, Mues., 47
eleodis, Vier., 43, 44
epitricis, Vier. = (Perilitus epitricis, Vier.), 36, 46, 88
gastrophysae, Ashm., 48
pusillae, Mues., 88
vittatae, Mues., 88
Microdontomerus anthonomi, Crwf., 14, 22
Microdus = (Bassus (BRACONID))
albicinctus, Ashm., 54
cylasovorus, Rohw., 39
simillimus, Cress., 74
Microgaster sp., 35, 77, 101
(albipennis, Nees) = Apanteles albipennis, Nees
globata, L., 8
(impurus, Nees) = Apanteles impurus, Nees
Microphthalma disjuncta, Wied., 10, 47, 63, 77, 92
michiganensis, Tns. = (M. phyllophagae, Curran), 63, 64, 82, 97
(phyllophagae, Curran) = M. michiganensis, Tns.
pruinosa, Coq., 63
Minella nitens, Zett., 34
Misepyris grandiceps, Kieff., 118
(Moerophora neoclyti, Rohw.) = Xorides neoclyti, Rohw.
Monacon abruptum, Wtstn., 91
productum, Wtstn., 41
Monogonogastra sp., 92
agrili, Ashm., 8
Monolexis lavagnei, Picard, 75, 109
lycti, Cress. = (Hecabolus lycti, Cress.), 75
Morinia pullula, Zett., 86
Muscina stabulans, Fall., 42, 77, 78, 90
Mydaea uliginosa, Fall., 40
Myiobia pumila, Macq., 36
Myiocera cramiodes, Wlk., 63
ferina, Fall., 42
Myiophasia aenea, Wied., 35, 37, 38
(globosa, Tns.), = Euloewia globosa, Tns.
metallica, Tns., 111
Myzine sp., 67
(sexcincta, F.) = Elis sexcincta, F.

N

Necremnus sp., 55
leucarthros, Nees, 55
Nemeritis canescens, Grav., 114
Nemorilla maculosa, Mg., 45
(Neocatolaccus australiensis, Gir.) = Aplastomorpha calandrae, How.
moneilemae, Gahan, 78

Neocatolaccus sphenopterae, Ferr., 111
(vandinei, Tucker) = Aplastomorpha calandrae, How.
Neocelatoria ferox, Walt., 40
Neophyto nocturnalis, Walt., 63
(Neosclerodermus tarsalis, Ashm.) = Cephalonomia tarsalis, Ashm.
Nesopimpla narangae, Ashm., 69
Norbanus sp., 68
Nyctia halterata, Panz., 74

O

Ochromeigenia ormioides, Tns., 6, 12, 13, 94, 95
Odontaulacus bilobatus, Prov., 76
editus, Cress., 116
Odontobracon elaphidiovorus, Rohw., 43
oemeovorus, Rohw., 82
Odontomerus melanarius, Hlgr., 112
mellipes, Say, 86
pinetorum, Thoms., 36, 112
punctatus, Cushm., 71
strangaliae, Rohw., 113
Oedaule stringifrons, Wtstn., 85
Oleisoprister abbotii, Westw., 71
Oligosita utilis, Kow. = (Chaetostricha cratitia, Wtstn.), 96, 97
Omorgus mutabilis, Hlgr., 24
Ooctonus quadricarinatus, Gir., 59
Ooencyrtus sp., 21, 91
batocerae, Ferr., 20
corbetti, Ferr., 92
moneilemae, Gahan, 78
podontiae, Gahan = (Schedius podontiae, Gahan), 92
Ootetrastichus gibboni, Gir., 68
Ophion bifoveolatum, Brul., 63
(Ophioneurus signatus, Ratz.) = Poropoea defilipii, Rond.
Opius sp., 96
Oryssus sp., 24, 32
occidentalis, Cress., 24

P

(Pachyceras xylophagorum, Ratz.) = Rhoptrocerus xylophagorum, Ratz.
Pachyneuron sp., 6, 30, 51, 56, 108
aeneicorne, Ratz., 103
aphidivorum, Ashm., 51
Palpostoma desvoidyi, Aldr., 69
testacea, R.-D., 70
Pandelleia sexpunctata, Pand., 85
(Paniscus virgatus, Fourc.) = Parabatus virgatus, Fourc.
Parabatus virgatus, Fourc. = (Paniscus virgatus, Fourc.), 1
Paracodrus apterogynus, Hal., 8, 9
Paradexodes epilachnae, Aldr., 45

Paraglypta tubigera, Kieff., 31, 119
Parascleroderma scobiciae, Kieff., 104
Paratheresia claripalpis, Wulp, 5
Pareuderus torymoides, Ferr., 9
Pelatachina tibialis, Fall., 103
Pelecinus polyturator, Drury, 63, 64
(Penecerus rubiginosus, Nees) = Chremylus rubiginosus, Nees
Peridesmia sp., 56
phytonomi, Gahan, 56
Perilissus pallidus, Grav., 37
Perilampus italicus, F., 74
micans, Dalm., 75
Perilitus - see also Dinocampus
sp., 15, 44, 110
aethiops, Nees, 56, 88, 110
(americanus, Riley) = Dinocampus terminatus, Nees
areolatus, Thoms., 88
basalis, Curt., 75, 97
bicolor, Wesm., 97
brevicollis, Hal., 50
cerealium, Hal., 110
coccinellae, Schrank, 33, 51
eleodis, Vier., 43, 44
(epitricis, Vier.) = Microctonus epitricis, Vier.
(falciger, Ruthe) = Dinocampus falciger, Ruthe
labilis, Ruthe, 97, 109, 110
melanoplus, Ruthe, 29
(rutilis, Nees) = Dinocampus rutilis, Nees
secalis, Hal., 56
sicheli, Giard, 116
(terminatus, Nees) = Dinocampus terminatus, Nees
Perisierola emigrata, Rohw., 18, 85
Pernicohora robusta, Ruschka, 52, 117, 118
Perosis annulata, Bris., 37
Pexomyia genalis, Aldr., 94
(Pezomachus) = Gelis
Phaenolobus alcides, Wlkn., 9
apicalis, Mats., 78
arator, Rossi, 82
Phaenoserphus sp., 19, 114
pallipes, Latr., 8
viator, Hal., 26, 98
Phaeogenes nanus, Wesm., 107
Phalacrotophora fasciata, Fall., 5, 6, 10, 26, 30, 33, 81, 108, 116 - see also Aphiochaeta fasciata, Fall.
Phanomeris abnormis, Wesm., 100
Phasgonophora sulcata, Westw., 7, 31
(Phora fasciata, Fall.) = Aphiochaeta fasciata, Fall.
Phorocera claripennis, Macq., 45
doryphorae, Riley = (Doryphorophaga doryphorae, Riley), 45, 71
floridensis, Tns., 102
meracanthae, Greene, 78
(Phryxe) = Zenillia
Phygadeuon grandiceps, Thoms., 98

Phygadeuon submuticus, Thoms., 80
Phyllomyza sp., 60
Phytorophaga ventralis, Bezzi, 89
Picroscytoides cerasiops, Masi, 74
Pimpla = (Epiurus; Itoplectis)
sp., 15, 36, 101
alternans, Grav., 27, 61, 103
ameformis, Keler, 15
brevicornis, Grav., 15
brunnea, Brischke, 16, 24
calobata, Grav., 16, 19, 100, 101
capulifera, Krb. = (Apechthis capulifera, Krb.), 103
conquisitor, Say, 82
detrita, Hlgr., 16
examinator, F., 16
flavipes, Ratz., 24
graminellae, Schrank, 16
holmgreni, Schmk., 16
inquisitor, Scop., 16
inquisitoriella, D.T., 79
instigator, F., 74
maculator, F., 54, 56
nigriscaposa, Thoms., 16
nucum, Ratz., 16, 76
ovivora, Boh., 1
pedalis, Cress. = (Ephialtes pedalis, Cress.), 102
pomorum, Ratz., 15, 16
pterelas, Say, 79
roborator, F. = (Exeristes roborator, F.), 37, 74
sagax, Htg., 16
triangularis, Verhoeff, 82
trilobata, Keler, 16
truncata, Keler, 16
Plagioderophagus niger, Bar., 91
Platybracon javensis, Rohw., 31
Platygaster sp., 29
Platygerrhus scolyti, Ashm., 107
Plectiscus spilotus, Först., 80
Pleurotropis sp., 34, 90, 96, 100, 101
anomala, Gahan, 44
detrimentosus, Gahan, 91, 96
epilachnae, Rohw., 45
foveolatus, Crwf., 45
painei, Ferr., 96
parvulus, Ferr., 49, 96, 97
tarsalis, Ashm., 91
Pnigalio cruciatus, Ratz., 100
Poemenia vancouverensis, Prov., 71
Polymoria coronata, Thoms., 14, 76
iberica, Bol., 5, 36
merceti, Bol., 106
seyrigi, Bol., 5
Polynema consobrinus, Gir., 16
Polysphincta sp., 96

Polysphincta clypeata, Hlgr., 106
dictynae, How., 1
koebelei, How., 1, 2
strigis, How., 2
takewakii, Uch., 3
texana, Cress., 3
theridii, How., 3
Polysphinctopsis japonicus, Uch., 4
Poropoea attelaborum, Gir., 19
defilippii, Rond. = (Ophioneurus signatus, Ratz.), 24, 101
stollwercki, Först., 19
Prestwichia aquatica, Lubb., 5, 7, 38, 43, 86
Pristaulacus bimaculatus, Kieff., 98
chlapovskii, Kieff., 33
nigripes, Kieff., 119
nigripes duporti, Kieff., 119
strangaliae, Rohw., 113
Pristocera armifera, Say, 7, 73, 76
Pristodoryctes striativentris, Kieff., 119
Pristomerus ocellatus, Cushm., 100
Proctacanthus milberti, Macq., 32
Proctotrupes ater, Nees, 36
PROCTOTRUPID sp., 22
Prodecatoma cruzi, Costa Lima, 46
Promiscolus sequistriatus, Kieff., 31, 119
Prorops nasuta, Wtstn., 112
Proscus suspicax, Wesm., 104
Prosena lacertosa, Wulp, 63
siberita, F., 6, 11, 18, 67, 69, 93, 94, 108
(Pseudatractocera calosomae, Coq.) = Eubiomyia calosomae, Coq.
Pseudocatolaccus sp., 30, 37
Pseudomphale steirastomae, Gir., 112
Pseudopimpla anisandri, Fahr., 117
Pseudoptilops nitida, Rond., 28
Pseudotorymus apionis, Mayr, 17
(Pseudovipio andrieui, Vuil.) = Glyptomorpha andrieui, Vuil.
PTEROMALID sp., 61
Pteromalus sp., 15, 16, 17, 20, 22, 58, 101, 111
abieticola, Ratz., 58
azureus, Ratz. = (Rhopalicus azureus, Ratz.), 58, 59, 60, 80 see also Rhopalicus brevicornis, Thoms.; Rhoptrocerus brevicornis, Thoms.
bidentis, Ratz., 37, 58, 91, 104
bimaculatus, Nees = (Rhopalicus bimaculatus, Nees), 17, 57, 61, 106, 107, 109, 118 – see also Cheiropachys colon, L.; C. obscuripes, Brues; Pteromalus fraxini, Ratz.
brunnicans, Ratz., 106, 107
(calandrae, How.) = Aplastomorpha calandrae, How.
capitatus, Först., 91, 107
(dynastes, Först.) = Dibrachoides dynastes, Först.
flavipes, Först., 8
fraxini, Ratz., 53 - see also Cheiropachys colon, L.; C. obscuripes, Brues; P. bimaculatus, Nees
latreillei, Ratz., 80

Pteromalus lunulus, Ratz., 80 - see also P. spinolae, Ratz.; P. suspensus, Ratz.; Rhopalicus suspensus, Ratz.
oryzae, Cam., 25 - see also Lariophagus distinguendus, Först.
pospelovi, Kurdj., 8
puparum, L., 90
saxeseni, Swed., 15
sieboldi, Ratz., 77 - see also Schizonotus sieboldi, Ratz.
spinolae, Ratz., 80 - see also P. lunulus, Ratz.; P. suspensus, Ratz.; Rhopalicus suspensus, Ratz.
suspensus, Ratz. = (Rhopalicus suspensus, Ratz.), 42, 52, 57, 58, 59, 60, 61, 81, 86, 90, 92 - see also P. lunulus, Ratz.; P. spinolae, Ratz.
(tenuicornis, Först.) = Habrocytus tenuicornis, Först.
tritici, Gour., 25
violaceus, Ratz., 81
Pterosema aulloi, Merc., 58 - see also Metacolus aulloi, Merc.
Ptilodexia abdominalis, R.-D., 63
harpasa, Wlk., 63, 65
tibialis, R.-D., 63
Ptinobius agrili, Rohw., 7
texanus, Crwf., 18, 85, 117
Pycnetron curculionidis, Gahan, 5
Pygostolus falcatus, Nees, 21, 37, 92, 110
multiarticulatus, Ratz., 21
Pyracmon austriacus, Tschek, 32, 115
lucidus, Clement, 115
xoridiformis, Hlgr., 25, 115
xoridoideus, Strobl, 115
Pyrgota undata, Wied., 63, 64
valida, Harr., 63

R

Rhabdepyris zeae, Turn. & Wtstn., 24, 117
Rhadinopimpla brachylabis, Kr., 115
Rhaconotus sudanensis, Wlkn., 111
Rhamphinina discalis, Tns., 73
Rhaphitelus ladenbergii, Ratz., 53, 106
maculatus, Wlk., 53, 87, 105, 106, 107
(Rhopaeicus maculifer, Först.) = Rhopalicus maculifer, Först.
(Rhopalicus azureus, Ratz.) = Pteromalus azureus, Ratz. - see also Rhopalicus brevicornis, Thoms.; Rhoptrocerus brevicornis, Thoms.
(bimaculatus, Nees) = Pteromalus bimaculatus, Nees
bimaculatus bicaliginosus, Fahr., 106
brevicornis, Thoms., 81, 104 - see also Pteromalus azureus, Ratz.; Rhopalicus azureus, Ratz.; Rhoptrocerus brevicornis, Thoms.
maculifer, Först. = (Rhopaeicus maculifer, Först.), 39, 58, 59, 61
pulchripennis, Crwf., 39, 90
(suspensus, Ratz.) = Pteromalus suspensus, Ratz. - see also P. lunulus, Ratz.; P. spinolae, Ratz.

Rhopalicus tutela, Wlk., 81, 89, 104 - see also Cheiropachys tutela, Wlk.
xylophagorum, Ratz., 81 - see also Rhoptrocerus xylophagorum, Ratz.
Rhoptrocentrus sp., 54
Rhoptrocerus = (Roptrocerus)
brevicornis, Thoms., 57 - see also Pteromalus azureus, Ratz.; Rhopalicus azureus, Ratz.; R. brevicornis, Thoms.
eccoptogastri, Ratz., 40, 60
rectus, Prov., 60
sulcatus, Wtstn., 59
xylophagorum, Ratz. = (Pachyceras xylophagorum, Ratz.), 57, 58, 59, 60, 61, 92, 104 - see also Rhopalicus xylophagorum, Ratz.
Rhyssa sp., 79
amoena, Grav., 79
approximator, F., 79
fractinervis, Voll., 102
persuasoria, L., 78, 79, 116
Rondania dimidiata, Mg., 21, 32, 68, 74
dispar, Duf., 21
(Roptrocerus) = Rhoptrocerus
Rutilia sp., 39, 70
inornata, G. & M., 13, 39
pellucens, Macq., 70
splendidula, Don., 39

S

(Sarcodexia sternodontis, Tns.) = Sarcophaga lambens, Wied.
Sarcophaga sp., 43, 44
albiceps, Mg., 77, 84, 92, 104
barbata, Thoms. = (S. falculata, Pand.), 63
calcifera, Boettch., 70
(cimbicis, Tns.) = S. setulosa, Wulp
eleodis, Aldr., 18, 43, 44
(falculata, Pand.) = S. barbata, Thoms.
(helicis, Tns.) = S. rapax, Wlk.
lambens, Wied. = (Sarcodexia sternodontis, Tns.; Sarcophaga sternodontis, Tns.), 65, 67, 112, 113
latisterna, Park., 45, 94
prohibita, Aldr., 63, 65
rapax, Wlk. = (Helicobia helicis, Tns.; Sarcophaga helicis, Tns.), 10, 45, 47, 63, 73
reinhardi, Hall, 45
robusta, Aldr., 65
rudis, Aldr., 73
sarraceniae, Riley, 10
setulosa, Wulp = (S. cimbicis, Tns.), 63, 73, 118
sima, Aldr., 38
(sternodontis, Tns.) = S. lambens, Wied.
striata, F., 84
tuberosa sarracenioides, Aldr., 63
utilis, Aldr., 10, 63
Sbeitla furax, Wlkn., 41, 51, 109
Scatophaga rufiventris, Vill., 92

Schedius sp., 92
(podontiae, Gahan) = Ooencyrtus podontiae, Gahan
Schizonotus sieboldi, Ratz., 76, 77, 91 - see also Pteromalus sieboldi, Ratz.
Sclerodermus sp., 53, 75, 105
castaneus, Kieff., 119
chilonellae, Bridw., 81
domesticus, Latr., 31, 119
immigrans, Bridw., 36, 49, 68, 81, 85, 104, 109, 114, 117, 119
macrogaster, Ashm., 75
nipponicus, Yuasa, 98
poecilodes, Perk., 81
polynesialis, Saund., 81
Scolia = (Discolia)
sp., 6, 12, 67, 84, 87, 92
atrata, F., 63 - see also Campsomeris atrata, F.
azurea, Chr., 84, 119
bifasciata, Swed., 29
caffra, Sauss., 85
carnifex, Coq., 83
dubia, Say, 10, 94
erratica, Sm., 83, 102
flavifrons, F., 84
flavifrons haemorrhoidalis, F., 92
(formosa, Guer.) = Campsomeris formosa, Guer.
hirta, Schr., 11, 29, 95
humeralis, Sauss., 32
interrupta, F., 14
iridicolor, Sm., 42, 84, 85, 99
japonica, Sm., 13
maculata, F., 93
maculata flavifrons, F., 84
maculata maculata, Drury, 75, 93
(manilae, Ashm.) = Campsomeris marginella modesta, Sm.
oryctophaga, Coq., 67, 84, 85
parastasiae, Betrem, 86
procer, Ill., 84
quadripunctata, F., 10, 13, 44, 85
rubiginosa, F. = (Triscolia rubiginosa, F.), 119
rufa, Lep., 67
ruficeps, Sm., 84
scutellaris, Grib., 63, 67, 69, 70, 72, 113
sexmaculata, F., 13, 14
soror, Sm., 13, 39, 70, 71
verticalis, F., 71
viridicolor, 85
vollenhoveni, Sauss., 97
(Scymnophagus townsendi, Ashm.) = Xenocrepis townsendi, Ashm.
(Secodella viridis, Gir.) = Euderus viridis, Gir.
Senotainia trilineata, Wulp, 40
Serphus viator, Hal., 112
Sichelia filiformis, Grav., 99 - see also Xylonomus filiformis, Grav.
Sigalphus sp., 15
atricornis, Ratz., 52
canadensis, Prov., 16

(Sigalphus caudatus, Nees) = Triaspis caudatus, Nees
(curculionis, Fitch) = Triaspis curculionis, Fitch
farialis, Ratz., 22
floricola, Wesm., 17
luteipes, Thoms., 22
pallidipes, Nees, 100, 101
primus, Brèthes, 23
sculpturatus, Szep., 38
striola, Thoms., 18
thoracicus, Curt., 22, 23
Spalangiomorpha fasciatipennis, Gir., 25
Sparnopolius fulvus, Wied., 63
Spathius = (Euspathius; Spatius)
sp., 41, 59, 60, 90
bisignatus, Wlk., 41
brachyurus, Ashm., 90
brevicaudis, Ratz., 27, 57, 81, 106
canadensis, Ashm., 52, 107
cavillator, Wlkn., 76
elaboratus, Wlkn., 40, 85
exarator, L., 11, 53, 58, 98, 117
festinans, Wlk., 26
generosus, Wlkn., 105
pallidus, Ashm., 31
pedestris, Wesm., 11, 48
piperis, Wlkn., 75
rubidus, Rossi, 25, 88, 104
tomici, Ashm., 87
vulnificus, Wlkn., 41
(Spatius) = Spathius
Spilochalcis sp., 54
delumbis, Cress., 55
Spilocryptus pumilus, Kriechb., 56
Spilomicrus sp., 114
Spintherus sp., 7, 56
leguminum, Ratz., 18
Spogostylum anale, Say, 32
Steiniella callida, Mg., 77
Stenocryptus nigriventris, Thoms., 54, 56
Stiboscopus brooksi, Ashm., 34
Stirostoma longicornis, Cam., 57
Stomatoceras colliscutellum, Gir., 46
Stomatomyia acuminata, Rond., 21, 83, 86, 91
Striobracon laetus, Wesm., 76
Sturmia elzneri, Tns., 71
Sycophrurus hesperophanis, Pic, 50
(Sycosoter lavagnei, Pic & Licht.) = Ecphylus lavagnei, Pic & Licht.
Sympiesis = (Sympiezus)
Sympiesis sp., 82, 96, 100, 101
sericeicornis, Nees, 54
(Sympiezus) = Sympiesis
Synaldis sp., 45
Syntomaspis sp., 101, 107
Syntomocera petiolata, Boisd., 10

Syntomosphyrum taprobanes, Wtstn., 108
teiae, Gir., 47
Syrrhizus diabroticae, Gahan, 40
distinguendus, Sarra, 15

T

Tachina sp., 13, 67
impotens, Rond., 56
TACHINID sp., 45, 67
Taphaeus sp., 42
Temelucha sp., 101
(Tersilochus) = Thersilochus
Tetracampe sp., 51
galerucae, Fonsc., 28, 48
Tetrastichodes brontispae, Ferr., 21
plesispae, Ferr., 91
Tetrastichus sp., 6, 8, 18, 23, 30, 45, 48, 53, 54, 56, 61, 68, 75, 100, 108, 114, 117, 118
agrili, Crwf., 8
ainsliei, Gahan, 80
anthracinus, Ashm., 7
asparagi, Crwf., 36, 37
blepyri, Ashm., 38
brevistigma, Gahan, 48
bruzzonis, Masi, 27, 28
cassidarum, Ratz., 27 - see also Entedon cassidarum, Ratz.
coccinellae, Kurdj., 33
colemani, Crwf., 18
compsivorus, Crwf., 35
cyclogaster, Ratz., 101
cyclogaster obscurata, Ruschka, 100, 101
epilachnae, Giard, 5, 30, 45
eriophyes, Taylor, 2
gerstaeckeriae, Gahan, 49
haitiensis, Gahan, 41, 95
incertus, Ratz., 56
oncideridis, Gahan, 83
ooctonus, Kawall, 48
ovipransus, Crosby & Leon., 21
ovivorus, Crwf., 35
ovulorum, Ferr., 45, 46
philodromi, Gahan, 3
pospielovi, Kurdj., 16, 17, 101
rhosaces, Wlk., 27
rugglesi, Rohw., 8
taylori, Ferr., 96, 97
vaquitarum, Wolc., 61
xanthomelaenae, Rond., 48
Thaumasura curculionis, Gir., 47
pavo, Gir., 47
Thereva plebeja, L., 21
Thersilochus = (Tersilochus)
sp., 68, 78

Thersilochus caudatus, Hlgr., 83
coeliodicola, Silv., 34
conotracheli, Riley, 35, 36
moderator, L., 34
morionellus, Hlgr., 77 - see also Isurgus morionellus, Hlgr
triangularis, Grav., 34
truncorum, Marsh., 29
Tiphia sp., 6, 9, 12, 18, 47, 63, 65, 67, 69, 82, 93, 94, 109
agilis, Smith, 18, 94, 108
antigenata, A. & J., 94
argentipes, Cress., 63
asericae, A. & J., 18, 94, 108
ashmeadi, Crwf., 12
assamensis, A. & J., 93
autumnalis, Rohw., 94
bicarinata, Cam., 13, 88, 94
biseculata, A. & J., 11, 94
brevilineata, A. & J., 13, 88, 94, 95
clauseni, A. & J., 93
communis, A. & J., 93
femorata, F., 10, 17, 44, 93
inornata, Say, 63, 64, 73
koreana, Rohw., 11, 13, 88, 93, 95
lucida, Ashm., 6
malayana, Cam., 95, 108
matura, A. & J., 93
morio, F., 10
notopolita, A. & J., 93
notopolita alleni, Roberts, 87, 95
ovidorsalis, A. & J., 95, 108
ovinigris, A. & J., 63
parallela, Sm., 42, 52, 63, 64, 67, 73, 78, 108
phyllophagae, A. & J., 63, 64, 95
popilliavora, Rohw., 12, 63, 87, 93, 94, 95
pullivora, A. & J., 95
punctata, Rob., 63, 73
segregata, Crwf., 11, 12, 72
sternata, Parker, 18
tegitiplaga, A. & J., 11
totopunctata, A. & J., 13, 88, 95
transversa, Say, 63
vernalis, Rohw., 11, 12, 87, 93, 95
vulgaris, Rob., 63
Torymus quercinus, Boh., 104
Triaspis caudatus, Nees = (Sigalphus caudatus, Nees), 17, 116
curculionis, Fitch = (Sigalphus curculionis, Fitch), 14, 34, 35, 36, 114
curculionis rufus, Riley, 35, 36
fagi, Ratz., 101
vesticida, Vier., 17
Trichacis rufipes, Ashm., 19
Trichogramma evanescens, Westw., 27, 28, 42, 101, 117
minutum, Riley, 82
(nanum, Zehnt.) = Trichogrammatoidea nana, Zehnt.
Trichogrammatoidea nana, Zehnt. = (Trichogramma nanum, Zehnt.), 21
Trichomalopsis shirakii, Crwf., 69

Trichomalus diachymatis, Ratz., 101
fasciatus, Thoms., 29
irus, Wlk., 17
Trichopria hypobori, Kieff. = (Cephalonomia hypobori, Kieff.), 56, 87, 90, 105, 107
Trigonoderus sp., 86
Trigonura californica, Rohw., 31
ruficaudis, Cam., 31
tenuicaudis, Wtstn., 31
Trimeromicrus maculatus, Gahan, 40
Tripolycystus cryptognathae, Gir., 37
(Triscolia rubiginosa, F.) = Scolia rubiginosa, F.
Trombidiid larva (ACARINA), 77
Trophops clauseni, Aldr., 95
Tryphon brunniventris exclamationis, Grav., 32
Tyndarichus rudnevi, Nowicki, 28

U

Ufens osborni, Dozier, 41
Urodexia uramyoides, Tns., 64
Urosigalphus armatus, Ashm., 37, 38
chalcodermi, Wlkn., 30
eulechriopis, Cushm., 47
Uscana semifumipennis, Gir., 22, 23, 85

V

Vanhornia eucnemidarum, Crwf., 116
Vipio sp., 111
gracilis, Ramakrishna, 24
moneilemae, Gahan, 78
smeenus, Cam., 111
Viviania cinerea, Fall., 26, 27, 119
(georgiae, B. & B.) = Biomyia georgiae, B. & B.

W

Weberia curvicauda, Fall., 10, 50
Wichmannia decorata, Ruschka, 74
Winthemia quadrimaculata, F., 38
rufopicta, Big., 38

X

Xanthopimpla punctata, F., 111
Xenocrepis mexicana, Gir., 19 - see also X. townsendi, Ashm
townsendi, Ashm. - (Scymnophagus townsendi, Ashm.), 108 - see also X. mexicana, Girault

Xorides albitarsis, Gr., 74
albopictus, Cress., 102
calidus, Prov., 31, 38, 71, 87
californicus, Cress., 24
catomus, Davis, 9, 30

Xorides cincticornis, Cress., 71
collaris, Grav., 99, 115, 116
erosus, Tschek, 89
humeralis, Say, 88
neoclyti, Rohw. = (Moerophora neoclyti, Rohw.), 81
nitens, Grav., 88, 91, 115
rileyi, Ashm., 118
stigmapterus, Say, 71
Xylonomus sp., 115
brachylabis, Kriechb., 115, 116
caerulescens, Morl., 119
filiformis, Grav., 25, 98 - see also Sichelia filiformis, Grav.
irrigator, F., 99, 116
praecatorius, F., 25, 26, 49, 74, 98
propinquus, Tschek, 50
Xylophruridea agrili, Vier., 8
Xylophrurus lancifer, Grav., 102, 104

Z

Zaglyptonotus schwarzi, Crwf., 110
Zaommoencyrtus submicans, Gir., 82
Zatropis sp., 8, 19, 28
incertus, Ashm., 14, 22, 40, 101, 114 - see also Catolaccus incertus, Ashm.
Zavipio belfragei, Cress., 110
Zenillia = (Phryxe)
vulgaris, Fall., 98
Zeteticontus abilis, Silv., 27
Zeuxia cinerea, Mg., 74

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